

## PROJECT INFORMATION AND EVALUATION CRITERIA FOR SHORTLISTING OF CONSULTANTS

---

### 1. Project Information

#### Introduction:

Upper Arun Hydroelectric Project (UAHEP) is a peaking Run-of-River type hydroelectric Project. The project site was identified during the master plan study of Koshi River Water Resources Development in 1985. The site was subsequently the subject of a reconnaissance study conducted by the NEA in summer of 1986. In 1987, the first phase of the feasibility was carried out by Morrison Knudsen Engineers (MKE). The Joint Venture of Morrison Knudsen Corporation, Lahmeyer International, Tokyo Electric Power Services Co. and NEPECON completed the Feasibility Study Phase II in December 1991 under the financing services provided by UNDP.

The Updated Feasibility Study Report (UFSR) of the project was prepared in May 2021. The JV of Changjiang Survey, Planning, Design and Research Co. Ltd and Sinotech Engineering Consultants Ltd. in association with Soil Test (P) Ltd. has carried out the UFSR in financial support of World Bank under IDA credit.

Some investigation works are still not completed with some major in-situ and lab tests. The Upper Arun Hydroelectric Company has signed a contract with Soil, Rock, and Concrete Laboratory (SRCL) in October 2022 to excavate the remaining portion of test adit (AD5) at powerhouse site. It is about 160 m of length of adit remaining to be excavated, however, till date, about 50 m out of 160 m length has already been excavated. Likewise, SRCL has also been assigned to drill the borehole PBH4 (430 m), HBH2 (250 m) and TBH1 (180 m), out of which HBH2 is completed and PBH4 and TBH1 will be completed before the start of this service.

#### Upper Arun Hydroelectric Project (UAHEP)

#### Location and Access:

The Project is located at Sankhuwasabha District, Province-1, along the Arun River in Nepal. The project area is situated between 87°20'30" and 87°26'45" East and Latitude 27°40'18" and 27°45'25" North. The proposed dam site is located in a narrow gorge about 350 m upstream of the confluence of the Arun River with Chepuwa Khola near Chepuwa Village in ward no 2 of Bhotkhola Rural Municipality. The powerhouse lies in Chhongrak Village, ward no 4 of Bhotkhola Rural Municipality near the confluence of Arun River with Leksuwa Khola.

The Project is located approximately 200 km east of Kathmandu and approximately 140 km north of Biratnagar. Fair weather motorable access is available to the project area at present. The road from Num Bazaar to the UAHEP powerhouse site is about 35 km, which is under construction under North-South Koshi Road Project of Department of Roads. This part of the road is expected to be constructed to the extent of gravel road (all weather road) in near future. Furthermore, access road of about 21 km including a road tunnel of 2.02 km and a bridge across the Arun River will be required to reach the dam site of the project.

### 2. Short Listing Procedures

UAHEL invites eligible consulting firms ("Consultants") having satisfactory performance in the previous similar assignments to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to

*[Handwritten signatures and initials]*

*[Handwritten signature]*

perform the Services. All the Consulting firms including JV partners must have working experience and been legally registered for at least **ten (10) years** from the last date of submission of EOI.

The long list will be prepared only of those consulting firms that have submitted Expressions of Interest (EOI) within the required deadline. The evaluation for short listing from this long list will be carried out in three steps.

Details of evaluation criteria for short listing of the consulting firms are given below:

### **STEP I: PRELIMINARY SCREENING OF CONSULTING FIRMS**

In this step, a preliminary screening of the received EOI applications will be carried out. 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 will be failed/ disqualified and will not be considered for further evaluation.

#### **A. General Threshold Criteria**

- (i) EOI application shall be duly submitted by the last date and time of submission as mentioned in the notice of REOI;
- (ii) Copies of following documents shall be submitted along with the EOI proposal;
  - Certificates of incorporation or Registration of the consulting firm.
  - Audited Financial Statements of the preceding five consecutive fiscal years.
  - Company Profile
- (iii) At the time of submission of EOI application, consulting firms must not be debarred by the World Bank or any Multilateral Banks.
- (iv) Consulting firms must have working experience and been legally registered for at least **ten (10) years** from the last date of submission of EOI;
- (v) Minimum average annual turnover of the best three years of the preceding five consecutive fiscal years but not earlier than the year 2018 shall be US\$ 0.45 Million. In case of JV, cumulative strength of JV partners will be evaluated for annual turnover. Consulting firm or JV firms not meeting this criterion will not be considered for evaluation.

#### **B. Technical Threshold Criteria**

Evaluation under these criteria will be based on the In-situ stress tests in hydropower project. All of the criteria listed below could be fulfilled by one single project or separate projects. Only those projects completed in the **last ten (10) years** preceding from the last date of submission of EOI will be considered for evaluation.

- i) Consulting firms must have the experience of successful completion of In-situ stress test by over-coring method on at least one (1) hydroelectric project.;
- ii) Consulting firms must have the experience of Hydrofacturing/ Hydrojacking/ Block Shear/ Plate Bearing/ Dilatometer test of at least one (1) hydropower project;

#### **Notes:**

*Consulting firms' work experiences shall be evidenced by copies of client's references with contact 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. Experience gained by the Applicants shall only be considered and not that of the mother firm.*

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

### C. Threshold Criteria for Joint Venture (JV) Firms

- i) The lead partner of the JV firm must have at least 51% of the share of the present assignment and other partner must have at least 25% of the share of the present assignment. If lead partner is International consultant, at least one JV partner must be National Consultant
- ii) Each partner of the JV firm shall meet at least one of the criteria mentioned in B (i) through B (ii) above.
- iii) Each partner of the JV firm shall meet the criteria mentioned in A (ii), A (iii), A (iv) and A (v) above.
- iv) The combined experience of the JV partners shall meet all the Criteria mentioned in B above.
- v) JV firms shall submit the JV Agreement or memorandum of understanding (MOU) of JV Agreement or intended JV Agreement, along with their EOI application clearly indicating the tasks assigned to each JV member and the identification of the Lead JV Member.
- vi) An applicant must not submit more than one (1) EOI application either as a single entity or as a partner in the JV.

#### Notes:

- i. *The Consulting firms not complying with the threshold criteria mentioned above in A, B and C will not be considered for shortlisting.*
- ii. *Qualification and experience of the consulting firm associated as sub-consultancy will not be considered for evaluation for shortlisting.*

### STEP II: DETAILED EVALUATION OF CONSULTING FIRMS

The Consulting firms fulfilling all requirements in Step I are further evaluated in Step II. The Management competency of Consulting firms, quality assurance/control plan, organizational strength, experience of in the field of In-situ stress test and experience in Asian countries with similar geology shall be considered in the evaluation. The following criteria will be considered for shortlisting:

#### Criteria 1. Management Competency of Consulting Firm

The management competency of the Consulting firm will be evaluated based on availability of quality certificate, quality assurance/control plan, organizational strength (relevant technical and managerial staff in house).

The assessment will be based on the following:

1. Company Quality Certification
2. Quality Assurance / Control Plan of the Consulting firm
3. Organizational Strength (relevant technical and managerial staff in house)

#### Criteria 2: Specific Experience of the consulting firm In-situ stress in hydroelectric projects

Evaluation under this criterion is based on the experience of consulting firms in In-situ stress test in hydroelectric projects in the last **ten years (10) years** preceding from the last date of submission of EOI. The combined experience of the JV partners will be evaluated.

1. In-situ stress test by over-coring method in hydropower project;
2. Hydrofacturing/ Hydrojacking test in hydropower project;

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

3. Dilatometer test in hydropower project;
4. Block Shear test in hydropower project;
5. Plate Bearing test in hydropower project;

**Criteria 3: Geographical Experiences of Consulting Firm**

Evaluation under this criterion is based on the experience of consulting firms in geological and geotechnical investigation in hydropower project in the **last ten (10) years** preceding from the last date of submission of EOI in the Asian Region of similar geology. The combined experience of the JV partners shall be evaluated.

**STEP III: SHORT-LISTING OF CONSULTING FIRMS**

A maximum of eight firms will be shortlisted among all qualified firms which submitted an EOI. The World Bank Procurement Regulations for Investment Project Financing (IPF) Borrowers fourth edition November 2020 will be followed.

