

Sanima Jum Hydropower Limited

KMC-4, Kathmandu, Nepal

Invitation for Prequalification for Main Civil Work Construction of Jum Khola Jalvidhyut Aayojana (56 MW)

Dolakha District, Bagmati Province

Ref. No: JKJA/ CIVIL/ 023/01

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Sanima Jum Hydropower Limited (SJHL), a company registered under the company registration act of Nepal, intends to construct Jum Khola Jalvidhyut Aayojana (JKJA) and invites experienced contractor companies to prequalify for the main civil works construction of the Project.

JKJA is a run of river hydroelectric project located at Bigu Village Municipality, ward no.1 of Dolakha district in Bagmati province. The project has an installed capacity of 56 MW that utilizes design discharge of 25.45 m³/sec and gross head of 254 m. Most of the headworks components of the project are located on the left bank of Jum River at about 1.5 km upstream of Jum-Lapche River confluence. The entire waterways of the Project lies along left bank of Jum River. The powerhouse is located at the left bank of Tamakoshi River (Jum River after its confluence with Lapche River is called as Tamakoshi River) at some 3 km distance upstream of the Upper Tamakoshi Hydroelectric Project's headworks at Lamabagar. Lamabagar is about 200 km from Kathmandu.

The general arrangement of the project comprises headworks, water-conveyance system and the underground powerhouse. The headworks comprises of a 34 m long 10 m high (from river bed) concrete gravity weir, gated undersluice, side intakes, gravel trap, approach culvert/tunnel, underground settling basin (2 bays each of length = 62.5 m, width = 12 m & height = 7.62 m) and the connecting tunnels. The flow from the two connecting tunnels passes through the headrace tunnel of size 4.4 m x 4.4 m (inverted D-shaped). The length of headrace tunnel is 1565 m. A surge shaft of internal diameter 10 m and height 45 m is situated at the end of headrace tunnel. After the surge shaft, the flow is conveyed to the underground powerhouse via penstock shaft (222 m vertical shaft & 203 m horizontal shaft with manifolds). The penstock shaft is of size 4.4 m x 4.4 m (inverted D-shaped) for horizontal portion and 4.25 m diameter for vertical portion. A steel pipe of diameter 3.25 m will be placed inside the both horizontal and vertical penstock shaft. The underground powerhouse arrangement comprises separate caverns to accommodate Turbine/Generator (length = 85.10 m, width = 15 m & height = 32.4 m) and Transformers (length = 52.25 m, width = 12.2 m & height = 24.50 m). Four vertical axis Francis turbines are used to generate the power. The plant flow after energy generation is discharged back to the Tamakoshi River by about 690 m long free flow tailrace tunnel of size 5 m x 5 m (inverted D-shaped).

Interested contractors (registered firms/companies) are requested to submit the following information to be considered for prequalification:

- Certified copies of original documents defining constitution and/or legal status, place of registration and principal place of business;
- Latest company profile;
- Total annual turnover in the last five years;
- Audited financial reports for the past three years, and an estimated financial projection for the subsequent two years;
- Evidence of access to line of credit, and availability of other financial resources;
- Name and address of banker(s) who will (and have been authorized to) provide references upon request by SJHL;
- Details of performance on works as presented below or of similar nature:
 - Must have been involved in construction of at least two (2) numbers of hydropower projects in last ten (10) years with one (1) project completed in last five (5) years as a prime or as a Joint Venture Company. The under-construction project must be 50% complete to be considered as the project constructed.
 - Completed hydropower tunnel of minimum excavation size of 4.4 m (w) x 4.4 m (h) and length of at least four (4) km as a Prime or as a Joint Venture Company.
 - Completed at least one (1) vertical shaft of height greater than 200 m with excavation diameter of at least 2 m in the capacity of Prime contractor or as a Joint Venture Company and is acquainted with raise boring or similar excavation technique.
- A list of major items of Contractor's Equipment including details of ownership and detailed CVs of the key personnel. The maximum per day batching capacity for concrete production and equipment required for excavation of large cavern should be included.
- List of litigations (if any) and their details from the date of incorporation of the company.
- In case the application is made through a Joint Venture company, the company must provide afore-mentioned documents of partners separately.

The application along with the above mentioned information should be submitted in sealed envelope and delivered to the address below on or before 12:00 hours local time before last date of submission as mentioned above. Prequalification packages should be clearly marked as "CONFIDENTIAL" and titled "Application to prequalify for Main Civil Construction Works: Jum Khola Jalvidhyut Aayojana" Ref No. JKJA/CIVIL/023/01. All information provided will be kept confidential to the extent permitted by law.

The prequalified Contractors may be invited through a "Letter of Invitation" to bid the contract. SJHL reserves all the right not to invite any of the Contractors' companies or cancel the prequalification process at any time without providing any justifications or the right to adjust the prequalification criteria based on subsequently learned information.

(No phone calls or personal enquires will be entertained)

Address Details:

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