



NEPAL ELECTRICITY AUTHORITY

(A Government of Nepal Undertaking)
Engineering Services Directorate

Dudhkoshi Storage Hydroelectric Project

Request for Expressions of Interest (EOI)

For

An Individual International Consultant

(Date of First Publication: 30 December 2021)

1. **Government of Nepal (GoN)** has received the grant (Grant Number 0361-NEP: PPFE) from Asian Development Bank (ADB) and GoN has provided a portion of the Grant to Nepal Electricity Authority (NEA) for Feasibility Study and Detailed Design of Dudhkoshi Storage Hydroelectric Project (DKSHEP) and the part of the facility will be utilized for procurement of individual Consultant for Project Development Advisor.
2. **NEA** now invites eligible **individual international consultant** to indicate their interest in providing the services. Interested individuals must provide information indicating that they are qualified to perform the services. Expression of Interest (EOI), will be assessed based on General Qualifications (25%), Project Related Experience (60%), and Regional Experience and Others (15%). based on the evaluation of submitted proposals, the Consultant will be selected.
3. The details are accessible from ADB's consulting services recruitment notice (<http://csrn.adb.org>), and interested consultants are encouraged to submit their EOI through ADB's consultant management system (registration and access through <http://csrn.adb.org> or <http://cms.adb.org>). The same information (detailed request for EOI and Terms of Reference) can be found at the address below during office hours from 10 AM to 4 PM or downloaded from the website: www.nea.org.np. The interested Consultants must provide information in the form of CV that shows experience and qualification in the related field with substantiation, description of completed similar assignments, work experience in the related area etc. to show their academic, professional and geographical competence to perform the services.
4. The application must be responsive to the requirements mentioned in (2) above and application should be in sufficient details to be verifiable.
5. An individual consultant will be selected and engaged in accordance with ADB's Procurement Policy and Procurement Regulations for ADB Borrowers (2017, as amended from time to time) using the Individual Consultant Selection (ICS) method.
6. Expressions of interest must be delivered through CMS (online) not later than 11:59 PM, 5 January 2022 (Manila Time).

NEA, Dudhkoshi Storage Hydroelectric Project
United World Trade Center, 3rd Floor
Kathmandu
Bagmati Province
Nepal
Tel: 014117088

TERMS OF REFERENCE

Contract			
Project	G0361-NEP: Project Preparatory Facility for Energy		
Expertise	Project Development Advisor		
Source	International	Category	Individual
Prof. Group		Job Level	
Objective and Purpose of the Assignment			
<p>The Dudhkoshi Storage Hydroelectric Project (DKSHEP) is progressing with various works towards readiness from technical, financial, Environment & Social and power markets perspectives with the aim of achieving financial close by December 2022. The Project Special Purpose Vehicle (SPV) – Dudhkoshi Storage Hydropower Company Ltd. – has been set up with a Board and a core team. This SPV needs to work closely with Nepal Electricity Authority (NEA) Management, Ministry of Energy, Water Resources and Irrigation (MoEWRI), Ministry of Finance (MoF), ADB and other stakeholders towards completing these activities in time and with the quality required for development of projects of this scale.</p> <p>DKSHEP is now looking at engaging a Project Development Advisor (PDA) to support and guide DKSHEP Management for developing plans and programs for conducting all activities required for successful financial closure of the Project.</p>			
Scope of Work			
<p>The Scope of Works (SoW) for the PDA shall include, but will not be limited to, the supporting DKSHEP Management for the following works:</p> <ul style="list-style-type: none"> • Finalize Updated Feasibility, Detailed Design and Environmental Impact and Safeguard Studies. • Develop and update periodically the Project Master Schedule showing all activities till Financial Close, critical milestones and resource requirement, • Update Project Baseline Budget. • Finalize Risk Register with identification of mitigation measures and risk owners in a workshop with DKSHEP personnel. Update Risk Register on a quarterly basis. • Support DKSHEP for Project Structuring. • Develop Project Charter with Objectives, Organizational Structure, Authority and Responsibility Matrices, Procurement Policy, ESG Policy, Budget, Schedule, Risk Register, Project Implementation Plan, etc. • Support DKSHEP to perform Constructability review to infuse the construction knowledge in design process to minimize delays and costs associated with the need to revise the design after construction begins. • Support DKSHEP to perform Value Engineering to improve the value of the project at lower cost. • Support DKSHEP to perform Quantitative Risk Assessment (QRA) and Schedule Risk Assessment (SRA) process. 			

- Develop Stakeholders' engagement, communication strategy using Public Affairs Toolkit.
- Perform Business Opportunity Meeting/Seminar for multilateral lenders, international and national lenders.
- Support DKSHEP in Power Purchase Agreement (PPA) negotiations.
- Support DKSHEP in Tariff determination from Electricity Regulatory Commission (ERC)
- Support DKSHEP in Project Development Agreement (PDA) negotiations – including bankability requirements, change-in-law, step-in rights, etc.
- Support DKSHEP for Corporate Guarantee requirements.
- Support DKSHEP for Payment Security Guarantees.
- Identify and engage with potential interested civil contractors and E&M contractors.
- Support DKSHEP Policy development for:
 - Procurement
 - Environmental, Social and Governance (ESG)
 - Enterprise Resource Planning (ERP)
 - Health, Safety and Environment (HSE)
 - Human Resource (HR) & Organization
 - Financing
 - Accounting
 - Cost-control
 - Reporting
 - Communication Strategy
- Provide the software and arrange a training program in following Project management disciplines
 - a. Project and Resource Scheduling for Project Development phase- Microsoft Project or equivalent
 - b. Risk Management- Easy Risk, Simple Risk or equivalent
 - c. QRA and SRA software
- Perform Project Progress Monitoring.
- Any other works as finalized with DKSHEP

Minimum Qualification Requirements

- Civil Engineer with Master's and preferably Ph.D. degrees in Civil Engineering in subjects associated with hydropower engineering from an internationally reputed University;
- At least 25 years' experience in hydropower industry in Nepal in all aspects related to development of Projects including experience in Hydropower Projects with installed capacity greater than 150 MW viz.:

- project identification,
 - business development,
 - project development,
 - project construction management,
 - project structuring,
 - project financing –
 - multilateral lenders,
 - domestic and international commercial lenders,
 - energy bonds
 - blended finance,
 - technical designs during construction,
 - contract management for Engineering Procurement and Construction (EPC), split and BoQ based contracts for medium to large hydroelectric projects,
 - conversant with FIDIC White Book, Silver Book, Yellow Book contract documents
 - land acquisition,
 - operation and maintenance,
 - transmission line planning, construction,
 - commissioning and synchronizing with utility grid
 - power markets,
 - cross-border energy trade,
 - short-term hydropower optimization for power production for maximizing water value,
 - Environmental, Social and Governance (ESG),
 - Health, Safety and Environment (HSE)
 - Organization development for different phases of hydroelectric projects and Human Resource (HR) Management,
 - Interaction with national and local government agencies,
 - Corporate Social Responsibility (CSR),
 - stakeholder Consultation and Management,
 - Indigenous People Safeguard Process,
 - General management during construction and O&M.
- Worked internationally in development and construction of hydroelectric projects in emerging markets.
 - Experience in development of hydroelectric power project risk register with regular monitoring and update;
 - Experience in value engineering for hydroelectric power during pre-construction and construction phases,

- Experience in design and review of surface and underground structures for hydroelectric projects,
- Interface management for multiple contracts in hydroelectric project development.
- Legal compliance for hydroelectric project development
- Financing Control, Compliance and Reporting for hydroelectric project development.
- The PDA must be a team player and should be able to guide and advice the Project Manager and his team on all aspects related to large hydroelectric project development

Minimum General Experience: **25 Years**

Minimum Specific Experience: relevant to assignment **25 Years**

Regional/Country Experience: Required

Deliverables Estimated Submission Date Type

The PDA shall prepare necessary periodic reports for the activities undertaken as defined under Scope of Works. The PDA shall share technical expertise and knowledge through meetings, consultations and field visits. The PDA shall document the results of each of its visits and of the overall conclusions and recommendations. PDA shall maintain confidentiality of all confidential information, and without obtaining the written consent of DKSHEP, it shall not disclose any relevant confidential information to any third parties.

Schedule and Places of Assignment (chronological and inclusive of travel):

The PDA will provide services to DKSHEP Management on an intermittent (for at least 15 days spread over a month) and as required basis till June 2022

City and Country	Working Days	Est. Start Date	Est. End Date	Other Details
Kathmandu, Nepal	135	24/01/2022	31/06/2022	

TOTAL 135 Days

Travel to Project Site and outside Nepal on project related matter may be required.