

NEA Engineering Company Limited (NEAC) Call for Application for Roster/Register of Consultants (National)



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NEA Engineering Company Limited (NEAEC), Nepal is working on Detailed Feasibility/ Engineering Study of few large hydro power projects including Phukot Karnali (480MW) PROR, Jagadulla (106 MW) PROR, Betan Karnali (442MW) PROR, Kimathanka Arun (450 MW) PROR and other similar projects for different developer Clients. The NEAEC wishes to receive the services of undermentioned Experts/Specialists, experienced in the planning and design of large hydraulic infrastructure for the purpose of Expert Review (ER) on the Updated Feasibility Study Report (UFSR) of Phukot Karnali PROR Hydroelectric Project and Expert Review (ER) on the Feasibility Study Report (FSR) of Jagdulla PROR Hydroelectric Project . The NEAEC also plans to employ the below services as a part of Project Review Panel to review the Documents related to the UFSR/FSR on behalf of its Clients to bring these Detailed Feasibility Studies to International standards and satisfaction of Project Financiers.

1. Panel of Expert (Technical Support Group - TSG) For Phukot Karnali PROR Hydroelectric Project:

(a) Job Title: Contract Expert:

Qualification and Experiences:

- Bachelor's degree in Engineering/Contract management or equivalent.
- Minimum 15 years of overall experience with Int'l experience.
- Experienced as contract expert in large scale projects managed by the FIDIC contract system
- Well exposed with insurance policy and general context of contract system in Nepal. Well versed in PPA and PPR.
- Candidate should have experience in FIDIC Contract system.
- Experience in arbitration of claims or complaint.

Terms of Reference (TOR):

- Review the tender and bid documents.
- Review the specification of the work; survey, earthworks, concreting works, sanitary, building, road, tunnel, dam, powerhouse etc.
- Review and check the bill of quantities provided in annex.
- Review, check and suggest in the special condition of contract submitted by the Consultant.
- Review all the contractual analysis required in the light of FIDIC clauses and technical specification, if available during the review period.
- Review and comment on progress and performance to ensure goods and services confirming to the Contractual requirements.
- Review and guides the study reports as EPC level design documents with respect to FIDIC clauses and technical specification, if available during the review period.
- Review/suggest measures(if any) to minimize cost of the specific components
- Review/suggest measures(if any) to minimize cost of the specific components.

2. Panel of Expert (Technical Support Group - TSG) –For Jagadulla PROR Hydroelectric Project:

S.N.	Panel of Expert (PoE)	Minimum Qualification and Experiences
1	Team Leader/ Hydraulics Expert	M.Sc. or higher Degree in Hydraulic Engineering/Hydropower Engineering or equivalent. Minimum of 20 years of working experience in hydraulic design including computational flow dynamics (CFD) analysis of hydropower/similar projects of medium/high head projects
2	EM/Power System Expert/Electrical Engineer	Minimum of Master's Degree in Electrical Engineering, or other relevant subject. Minimum of 15 years of experience in hydropower project out of which 5 years Int'l experience as Electro-Mechanical Engineering/expert in hydropower projects
3	Hydrological/ Sedimentological Expert	Minimum of MSc in Hydrology/Water Resource/ Hydropower or equivalent with specialization in Sediment Engineering. Minimum of 15 years of working experience having Int'l

		experience as Hydrological/Sedimentological Expert during Detailed Engineering study preferably in hydropower projects.
4	Geotechnical/Tunnel & Underground structures	Minimum of M.Sc. in Tunnel/Geotechnical Engineering or equivalent. Minimum of 15 years of working experience with Int'l experience in design of tunnel and underground structures during Detailed Engineering study, preferably in hydropower projects.
5	Structural Expert	Minimum Master's Degree in Civil/Structural Engineering or equivalent. Minimum of 15 years of working experience having Int'l experience in structural design including 3D finite element analysis (FEA) linear and non-linear modeling and earthquake engineering analysis during Detailed Engineering study, preferably in hydropower projects.
6	EM/HM Expert-Mechanical Engineer	Master's Degree in Mechanical Engineering or equivalent. Minimum of 15 years of experience in hydropower project with Int'l experience as hydro-mechanical/Electro-Mechanical Engineering/expert in hydropower projects.
7	Engineering Geologist	Minimum of a Master's Degree in Engineering Geology or equivalent Minimum of 15 years of working experience with Int'l experience in review of engineering geological mapping, geological investigations, Construction materials, seismic analysis, tunnel design and underground structures during Detailed Engineering study in hydropower projects.
8	Construction Planning Expert	Master's Degree in Engineering/contract management/Construction Planning or equivalent Experience as contract expert in large scale projects. Minimum 15 years of experience with Int'l experience
9	Hydropower Planning/Project Cost Estimate	M.Sc. or higher Degree in civil/water resources/hydropower Engineering or equivalent. Minimum of 15 years of working experience and having Int'l experience in hydropower projects during feasibility study and/or detailed engineering design.
10	Financial/Economical Expert	Master's degree in Finance or Engineering Economics or Chartered Accountancy. Minimum 15 years of experience in relevant professional field. Having worked as a Financial Analyst for minimum of Five years, producing indices from various "data collection and analysis" in Hydropower Projects.

Interested eligible and competent experts/specialists may obtain further information from NEC Website; www.neaec.com.np

Interested experts/specialists must submit their Curriculum Vitae along with the Expected Remuneration and facilities (hourly/daily/weekly/monthly) and other conditions of engagement to perform the services within

15 days from the first published date by E-mail or hard copy. The notice deadline may be rolled over automatically as per company need.

Application Form for Consultant:

1	Name of Expert	
2	Expert Position	
3	Qualification	
4	Total Experience No. of Years	
5	Relevant Experience No. of years:	
6	Remuneration expected: Per hour or day or month (a day = 8 hours, and a month = 176 hours) inclusive of all taxes applicable	
7	Other terms and conditions (if applicable)	
8	Allowance if needed for site visit	
9	Transportation costs (if applicable)	
10	Negotiable rate (Yes/No)	
11	PAN or VAT No.	
12	Contact/Mobile No.	
13	Contact email address	
14	NEC Membership No. or Equivalent	

Note: Please Scan and submit NEC membership Certificate or equivalent, Education certificate copy with Highest Degree, Experience Certificates and Training Certificates.

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