



## REQUEST FOR EXPRESSIONS OF INTEREST

**Bid Identification No. NNP1PC-CF-ESD-EMO-2020-11**

Nam Ngiep 1 Power Company Limited (hereinafter called "Owner"), co-owned by KPIC Netherlands, a subsidiary of Japan's Kansai Electric Power, EGAT International of Thailand, and the Lao Holding State Enterprise, was established to develop the Nam Ngiep 1 Hydropower Project ("Project"). The Owner is now operating a 290-MW Project in Bolikhan District, Bolikhamxay Province in order to provide clean renewable electricity and contribute to poverty reduction in Laos. As part of our Project, the "Owner" seeks for "the qualified Individual Consultant" to support the NNP1 Fishery Monitoring and Environment Monitoring Program ("Service"). The Owner invites consultants to indicate their interest in the following assignment.

### Assignment Title: **Phytoplankton Sampling and Analysis Training Consultant (Individual)**

#### 1. OBJECTIVE OF ASSIGNMENT

- To support the implementation of the NNP1PC Environmental Management Office's Fishery Monitoring and Environment Monitoring Program

#### 2. SOME KEY RESPONSIBILITIES

- Provide the training on sampling and analysis of phytoplankton in the reservoir.
  - Provide the training outlines with schedule.
  - The key training topic shall include but not limited to:
    - a) The morphology, taxonomy and classification of the most important phytoplankton group.
    - b) The sampling methods, preservation and microscope techniques and other laboratory analysis.
    - c) The practice for phytoplankton identification (e.g. dominating, harmful and indicator species).
    - d) The practice for quantitative analysis such as counting method and calculation.
    - e) The practice for phytoplankton data analysis with the water quality monitoring data.
- Prepare the manual of phytoplankton analysis including methodologies, scope of work, identification and calculation.
- Submission of a short report after training including recommendations.
- Expected deliverables:
  - Manual of phytoplankton analysis: 15 February 2021
  - Two short reports: 15 February and 30 April 2021

#### 3. CONTRACT DURATION:

- Four months (January 2021 – May 2021)

#### 4. PROFESSIONAL BACKGROUND AND QUALIFICATIONS

- Minimum three years of work experience on phytoplankton analysis including phytoplankton biomass and identification,
- Experience and acknowledge of phytoplankton, zooplankton, aquatic invertebrate, microbiology, aquatic biodiversity or related field,
- Experience working with hydropower projects,
- Experience working for lentic environment such as reservoirs, and
- A minimum of Bachelor degree is preferred

Interested Consultants must submit a proposal of between 3-5 pages in length excluding attachment, expertise CV and the price proposal in Lao Kip (LAK) with Tax Include in the sealed envelope to Nam Ngiep Power Company Limited (NNP1PC) by **Monday 14 December 2020 at 17:00pm (local time)**.

The Terms of Reference can be obtained by submission of writing application (email) to the address below during office hours:

#### Contact Person:

Procurement, Contract and IT Department, Administration Division, NNP1PC, 2<sup>nd</sup> Floor, Sky City Building, PO Box 5530, Sybounheuang Village, Chanthabouly District, Vientiane Capital, Lao PDR. Tel: +856-21-261-251, Fax: +856-21-261-252, Mobile Number: +856-20-22303344.

**Email:** [procurement\\_nnp1@namngiep1.com](mailto:procurement_nnp1@namngiep1.com), **Website:** <https://namngiep1.com/procurement/bidding-notices/>