

Bakheng Water Supply Phase 1 Project

CONSULTING SERVICES

Expression of Interest

The Phnom Penh Water Supply Authority (PPWSA) has received a financing from Agence Française de Développement (“AFD”) and the European Investment Bank (“EIB”), and intends to use part of the funds thereof for payments under the following mission:

“Design and implement the Capacity Building Programme in management and maintenance of PPWSA assets”

1. Context

Phnom Penh has seen its population increase from 0,8 million to 2,4 million inhabitants over the last 3 decades, and its area expand up to 680 km².

Operating the water supply service in the capital of the Kingdom of Cambodia and beyond, in the Greater Phnom Penh area, is entrusted to the Phnom Penh Water Supply Authority (PPWSA), a State owned enterprise under the supervision of the Ministry of Industry, Science, Technology and Innovation (MISTI) and the Ministry of Economy and Finance (MEF).

The operator enjoyed a spectacular recovery since 1993, with the technical and financial support of donors including AFD and the EIB. Whereas the water supply infrastructure was in ruins at the time, PPWSA operates now - 30 years later - 5 major treatment plants and 4 200 km of network with 1 300 employees. The operator is providing its more than 450 000 customers with a high standard service in terms of continuity, water quality, and social accessibility through a policy of subsidizing connections to poor households. Technical and commercial performance are meeting or are above international standards, with among others a non-revenue-water (NRW) rate under 10% and a collection rate of 99 %.

Along with the steady economic and demographic growth in the Greater Phnom Penh, PPWSA is facing a continuously increasing water demand.

In order to meet this demand, PPWSA water production capacity increased from 100,000 m³/d in year 2000 to 600 000 m³/d in year 2022. In 2025, following the commissioning of the Bakheng 1 and Bakheng 2 facilities, the production capacity will reach 1 000 000 m³/d.

2. Objectives

The capacity development programme subject of this Request for Expression of Interest aims at supporting PPWSA in designing and implementing sound asset management practices. It shall include, but not be limited to, the formulation a maintenance strategy, the preparation of procedures as required, the proposal of organizational changes be needed, the job descriptions when necessary, the delivery of relevant trainings including on-the-job trainings, and the preparation of adequate hands-on supports.

The mission physical scope encompasses the production facilities, the transmission system (pumping stations and mains), the piped distribution network, the customer connections, and the supporting soft assets (laboratories, sensors, SCADA, GIS, etc.) operated by PPWSA.

The assignment shall address, but not be limited to, the following issues and areas:

1. Assets categorization, description (format), and inventory;
2. Monitoring of assets condition (failures, breaks, leaks, etc.) over time, and associated generation of historical series;
3. Reconciliation between the accounting software records, the GIS records, and physical records, including the management of the related interfaces;
4. Assessment, evaluation and valuation of the key assets and the associated risks;
5. Maintenance strategy & policy, ensuing purchasing policy and spare parts storage policy, ensuing renewal plan, and associated sourcing plan;
6. An ERP (Microsoft Dynamics) being implemented by another Consultant, management of the interface between the above points and the ERP. In particular, setting up of a consistent and reliable process for feeding the ERP module (s) with the above information as required, verification of the information keyed in the ERP and adjustments as needed;
7. Other needs jointly identified with PPWSA during the assignment on assets management and maintenance.

PPWSA hereby invites Applicants to show their interest in delivering the Services described above.

This Request for Expressions of Interest is open to: Consulting firms and Professional training institutions

Eligibility criteria to AFD financing are specified in sub-clause 1.3 of the “Procurement Guidelines for AFD-Financed Contracts in Foreign Countries”, available online on AFD’s website: <http://www.afd.fr>.

The Applicant shall submit only one application, either in its own name or as a member of a Joint Venture (JV). If an Applicant (including any JV member) submits or participates in more than one application, those applications shall be all rejected. However, the same Subconsultant may participate in several applications.

If the Applicant is a JV, the expression of interest shall include:

- a copy of the JV Agreement entered into by all members, or
- a letter of intent to execute a JV Agreement, signed by all members together with a copy of the Agreement proposal,

In the absence of this document, the other members will be considered

as Subconsultants.

Experiences and qualifications of Subconsultants are not taken into account in the evaluation of the applications.

Interested Applicants must provide information evidencing that they are qualified and experienced to perform those Services. For that purpose, documented evidence of recent and similar services shall be submitted.

Determination of the similarity of the experiences will be based on:

- the contracts size: equal or greater than 250 000 €;
- the nature of the Services: *technical assistance in operation to large urban water utilities*;
- the technical area and expertise : *assets management and maintenance in large urban water utilities*;
- the location : *in the region*.

The Client will also take into account for the evaluation of the applications the following items:

- *Skills and availability of in-house technical experts, and back-up experts provided to the on-site experts*;
- *Local representatives/partners*;
- *Relevant quality assurance procedures and certifications of the Applicant, such as ISO 9001 or ISO 18 000*.

Among the submitted applications, Phnom Penh Water Supply Authority will shortlist a maximum of six (6) Applicants, to whom the Request for Proposals to carry out the services shall be sent.

In order to confirm their eligibility for AFD’s financing, consultants should submit in their expression of interest a duly signed Statement of Integrity (appended to this letter).

Expression of interest must be submitted to address below **no later than 29th February 2024 at 16:00**

Attn.: **H.E. LONG Naro**
Delegation of the Royal Government of Cambodia
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Interested Consultants may obtain further information at the address below during office hours 08:00 to 16:00 hours.