



INVITATION FOR BIDS

“Provision of the inflow and flood forecast system for the Operation of the Nam Ngiep 1 Hydropower plant”

Contract Ref No.: NNP1PC-CF-TD-2016-13

Nam Ngiep 1 is a hydropower project under construction in the central provinces of the Lao PDR. The Nam Ngiep 1 Power Company (NNP1PC), co-owned by Kansai Electric Power of Japan, EGAT International of Thailand, and the Lao Holding State Enterprise, is building a 290-MW power plant to provide clean renewable electricity and contribute to poverty reduction in Laos. NNP1PC invites eligible companies/contractors to compete the bidding process through pre-qualification for the Works and would like to receive from bidders a technical and financial bid (the Proposals) of the following assignment:

1. OBJECTIVE OF ASSIGNMENT

Precipitation, run-off and flood forecast system shall be established in order to operate the main dam spillway and power plant of the Nam Ngiep 1 Hydropower Project in a safe and efficient manner.

The Contractor shall

1. To propose and establish the forecast models of the precipitation distribution and run-off which are particular to the Nam Ngiep Basin incorporating the best available data for the models and then,
2. To provide the Owner with the inflow and flood forecast system particular to the Nam Ngiep 1 reservoir.

The Contractor should have sufficient experiences of development and application of such system that is related to precipitation distribution, run-off and flood forecast to be used for designing safe and efficient operation of hydropower plant with huge reservoir and be familiar with how to utilize the system in order to maximize the benefit of the hydropower project with huge reservoir.

2. SCOPE OF WORKS

- Establishment of the method to collect the past/present precipitation data and forecast model of the precipitation at the Nam Ngiep basin
- Establishment of the forecast model of the inflow and flood discharge
- Establishment of the precipitation (runoff) – inflow model (forecast program)
- Trial operation and calibration
- Report, manual, program with their due date

3. CONTRACT DURATION:

- From the Contract signing date to December 31, 2018

Bid must be received at the address below no later than October 27, 2016 before 17:00pm, local time and specifically mentioning “Provision of the inflow and flood forecast system for the Operation of the Nam Ngiep 1 Hydropower plant”.

Interested eligible bidders may obtain further information; full set of bidding document by submission of writing application (email or hard copy) to the address below during office hours;

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