



Pre-qualification Document
Manufacturer for Supply of Equipment
EGAT's Hydro Power Plant

1. Introduction

Electricity Generating Authority of Thailand (hereafter referred to as “EGAT”) is Thailand’s leading state-owned power utility under the Ministry of Energy, with its principal role in power development planning and electricity generating and transmitting to meet the country’s requirements.

To enhance EGAT’s procurement efficiency and to support the electricity generating under Thailand’s Power Development Plan, EGAT establishes Pre-qualification for Hydro Power plant projects to seek for efficient manufacturers who are qualified to supply the high-quality equipment for EGAT’s Hydro Power Plant (Pre-Qualified Manufacturers).

2. List of Equipment in Pre-qualification

The Pre-qualification of Manufacturers for Supply of Equipment includes the following:

1) Hydropower (≥ 70 MW)

Item	Equipment
1.1	Generator and Turbine
	1.1.1 Generator
	1.1.2 Turbine

2) Pumped Storage Hydropower (≥ 150 MW)

Item	Equipment
2.1	Generator and Turbine
	2.1.1 Generator-Motor
	2.1.2 Reversible Pump-Turbine

3) Hydropower (≥ 70 MW) and Pumped Storage Hydropower (≥ 150 MW)

Common Equipment

Item	Equipment
3.1	Instrument
	3.1.1 Temperature Element and Transmitter
	3.1.2 Pressure Element and Transmitter
	3.1.3 Differential Pressure and Transmitter
	3.1.4 Level Element and Transmitter
	3.1.5 Flow Element and Transmitter
	3.1.6 Water Contamination in Oil
	3.1.7 Position Sensor / Displacement Sensor / Stoke Sensor
3.2	Programmable Logic Controller (PLC)
	3.2.1 PLC

Electrical Equipment

Item	Equipment
3.3	Electrical Auxiliary Equipment
	3.3.1 Fire Extinguishing System for Generator
	3.3.2 Air Gap Monitoring System
	3.3.3 Vibration Monitoring System
3.4	Excitation System
	3.4.1 Excitation Transformer
3.5	Medium Voltage Switchgear
	3.5.1 Generator Circuit Breaker
	3.5.2 Medium Voltage Circuit Breaker
	3.5.3 Disconnecting Switch
3.6	Control, Metering and Protection System
	3.6.1 Distribution Control System (DCS)
	3.6.2 Supervisory Control and Data Acquisition (SCADA)
	3.6.3 Automatic Synchronization
	3.6.4 Protection for Generator & Main Transformer
3.7	Station Service System
	3.7.1 Battery
	3.7.2 Charger and Inverter

Mechanical Equipment

Item	Equipment
3.8	Mechanical Auxiliary Equipment
	3.8.1 Valve
	3.8.2 Strainer
	3.8.3 Cyclone / Sand Separator

3. Potential Manufacturers means the manufacturers of the equipment who register, propose the proposal, and in case of qualified by EGAT requirements, will be listed in the “EGAT Accepted Hydropower Manufacturer Lists”.

4. Technical and Commercial Requirements

Potential Manufacturers shall have qualifications in accordance with the technical requirements as specified in the attachment to this Pre-qualification document.

Commercial requirements will be considered during each individual bid except for the following qualification which Potential Manufacturers for this pre-qualification shall comply with in order to be qualified as Pre-Qualified Manufacturers:

1. The Potential Manufacturer shall be well-established and maintain a permanent place of business and shall submit the copy of evidence for this qualification issued by government authority such as, but not limited to, affidavit of incorporation or tax registration.

Potential Manufacturers who fail to provide information which demonstrates compliance with any of the technical requirements and aforementioned commercial requirement to EGAT’s satisfaction shall not be eligible to be registered as EGAT’s Pre-Qualified Manufacturers.

5. Pre-qualification and Revocation Process

5.1 Pre-qualification Process

The process of Pre-qualification will be as follows:

- 5.1.1 The Pre-qualification documents and Technical Requirements are available for examination and downloaded free of charge at website http://fprocurement.egat.co.th/pre_qualification.
- 5.1.2 Potential Manufacturers who wish to attend the Pre-qualification must complete the registration at website

http://fprocurement.egat.co.th/pre_qualification and submit reference document or evidences for the equipment they have registered.

5.1.3 EGAT's Pre-qualification Evaluating Committee will consider the submitted Pre-qualification Proposal.

5.1.4 In case the information in the submitted Pre-qualification Proposal is not sufficient for EGAT's consideration, it will be informed to Potential Manufacturer. The Potential Manufacturer shall submit supplemental information within the date specified by EGAT's Pre-qualification Evaluating Committee.

In case the Potential Manufacturer does not submit supplemental information as requested by EGAT, or the supplemental information submitted is still not sufficient for EGAT's consideration to its satisfaction, such Potential Manufacturer shall not be eligible to be registered as EGAT's Pre-Qualified Manufacturer.

EGAT will announce the Pre-Qualified Manufacturers in “ EGAT Accepted Hydropower Manufacturer Lists” at website http://fprocurement.egat.co.th/pre_qualification after EGAT's Pre-qualification Evaluating Committee has concluded the consideration. The disqualified Potential Manufacturers will be informed in writing.

EGAT will finish the consideration no later than one hundred and twenty (120) calendar days after the Pre-qualification Proposal was submitted.

5.1.5 EGAT reserves the right at its sole discretion to cancel or cease the Pre-qualification at any time upon EGAT's notification. All costs incurred by the Potential Manufacturers in Proposal preparation and submission shall be at their own accounts and will not be reimbursed by EGAT.

5.1.6 The Pre-Qualified Manufacturers for Supply of Equipment shall remain in the “ EGAT Accepted Hydropower Manufacturer Lists” until they are revoked as specified in Article 5.3

5.1.7 After the announcement of the EGAT Accepted Hydropower Manufacturer Lists, for each specific equipment in Article 2, only the equipment in the list with at least three (3) qualified Manufacturers will be eligible for EGAT's procurement.

5.2 Pre-qualification for new Manufacturers for Supply of Equipment will be conducted every 2 years or as necessary.

5.3 Revocation Process of Pre-Qualified Manufacturers for Supply of Equipment

5.3.1 Pre-Qualified Manufacturers for Supply of Equipment shall be revoked at any time from the “EGAT Accepted Hydropower Manufacturer Lists” under any of the following conditions:

- a) The equipment provided having defect(s) which make the equipment unable to be put into use in EGAT's system; or
- b) The equipment provided having defect(s) or failure(s) that cause damage to EGAT;

EGAT reserves the right at its sole discretion to revoke the accepted Manufacturer in “EGAT Accepted Hydropower Manufacturer Lists” at any time upon EGAT’s consideration.

5.3.2 EGAT will inform the revocation of Pre-Qualified Manufacturers for Supply of Equipment to the revoked manufacturer. “EGAT Accepted Hydropower Manufacturer Lists” will be updated and announced at website http://fprocurement.egat.co.th/pre_qualification.

5.3.3 In case the Pre-Qualified Manufacturers for Supply of Equipment are revoked from the “EGAT Accepted Hydropower Manufacturer Lists” during the time in which the revoked Pre-Qualified Manufacturers of Equipment are being proposed in a specific bid, their associated proposals shall not be eligible for such bid and shall not be considered.

5.3.4 The revoked Pre-Qualified Manufacturers will not be reimbursed for any expenses incurred in preparing and submitting his Pre-qualification Proposal and shall have no right of claim for any costs, expenses, losses and/or damages resulting from such revocation including any expenses or loss of benefits in future bidding.

5.4 Change in Technical Requirements

After the Pre-qualification, in case there is any change(s) made to the technical requirements, EGAT may

- (i) inform those already in the “EGAT Accepted Hydropower Manufacturer Lists” at least ninety (90) calendar days in advance of such change, in order that they shall be able to re-submit their Pre-qualification Proposals as per the new technical requirements for EGAT's consideration or

- (ii) cancel the “ EGAT Accepted Hydropower Manufacturer Lists” of such equipment as EGAT deems appropriate.

6. Preparation of Pre-qualification Proposal

6.1 Potential Manufacturer shall submit Pre-qualification Proposal of each equipment as follows:-

1. Technical Part

Pre-qualification Proposal in accordance with technical requirements as stipulated in Article 4 shall be submitted via the upload link provided by EGAT separately for each equipment in electronic file (PDF format) together with CD, DVD, or USB Flash Drive.

2. Commercial Part

Pre-qualification Proposal in accordance with commercial requirement as stipulated in Article 4 shall be submitted in electronic file (PDF format) via the upload link provided by EGAT together with one (1) original in hard copy and CD, DVD, or USB Flash Drive.

In case one (1) Potential Manufacturer would like to propose two (2) or more equipment, the Potential Manufacturer can submit only one (1) original in hard copy and electronic file(s) of evidence(s) for commercial requirement indicated in Article 4.

The CD, DVD or USB Flash Drive containing the electronic files (PDF format) for technical and commercial parts shall be submitted together with the original Pre-qualification Proposal for commercial part to EGAT no later than seven (7) calendar days after the date specified for the Proposal submission.

Table of submitted document, as example below, shall be uploaded together with the proposal.

Table of submitted document				
No.	Descriptions	File Name	Size (MB)	Pages
1	Supply record form of Generator	Generator.pdf	2.2	18
2	Affidavit of incorporation	AFD&Declaration.pdf	10.5	36

6.2 Potential Manufacturer who will submit Pre-qualification Proposal must be a registrant of the Pre-qualification of Manufacturer for Supply of Equipment and will be able to submit Pre-qualification Proposal for the equipment he has registered only. Proposal for unregistered equipment will not be considered.

In the case where the Potential Manufacturer is not the registrant of the Pre-qualification, the registrant shall notify EGAT the change of the name of the Potential Manufacturer in writing prior to the Pre-qualification Proposal submission.

EGAT reserves the right to consider only the Pre-qualification Proposal proposed by a registrant of the Pre-qualification of Manufacturer for Supply of Equipment.

6.3 Potential Manufacturers shall be the manufacturers of the equipment they wish to register.

6.4 All experiences and qualifications to be submitted under this Pre-qualification shall not be later than Pre-qualification register closing date.

6.5 All information and document shall be prepared in English.

6.6 Potential Manufacturer's Contact Person

In case EGAT needs explanation of the details of the Pre-Qualifications Proposal, EGAT will directly contact the person(s) whose name(s) is/are indicated below only:

Name: _____

Address : _____

Telephone Number : _____

Email : _____

Written clarification from any other person or verbal contact shall not be accepted.

6.7 Potential Manufacturers shall bear all costs associated with the preparation and submission of his Pre-Qualifications Proposal and EGAT will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Pre-qualification process.