



**Invitation to Pre-Qualification  
 Manufacturer for Supply of Equipment  
 EGAT's Hydro Power Plant**

Electricity Generating Authority of Thailand (EGAT) issues this Invitation for the purpose of selecting pre-qualified technically competent manufacturers who are interested to supply equipment for EGAT's Hydro Power Plant. Manufacturers who are interested in responding to this Invitation ("Potential Manufacturers") shall complete a registration and submit Pre-qualification Proposal in accordance with this Invitation.

**1. List of Equipment in Pre-qualification**

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

**1) Hydropower ( $\geq 70$  MW)**

Item	Equipment
1.1	Generator and Turbine
	1.1.1 Generator
	1.1.2 Turbine

**2) Pumped Storage Hydropower ( $\geq 150$  MW)**

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

**3) Hydropower ( $\geq 70$  MW) and Pumped Storage Hydropower ( $\geq 150$  MW)**

**Common Equipment**

Item	Equipment
3.1	Instrument

Item	Equipment
	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

### 2. Availability of Pre-qualification Documents and Registration

Pre-qualification Documents and Technical Requirements are available for examination and downloaded free of charge at website [http://fprocurement.egat.co.th/pre\\_qualification](http://fprocurement.egat.co.th/pre_qualification).

Potential Manufacturers who wish to attend the Pre-qualification must complete the registration at website [http://fprocurement.egat.co.th/pre\\_qualification](http://fprocurement.egat.co.th/pre_qualification). The registration period is from August 24 to September 6, 2021.

**Registered Potential Manufacturers can submit Pre-qualification Proposal for the equipment they have registered only. Proposal for unregistered equipment will not be considered.**

It is Potential Manufacturers' responsibility to carefully study all of the terms and conditions of this Invitation and Pre-qualification Documents.

### 3. Submission of Pre-qualification Proposal

All Pre-qualification Proposals shall be submitted in electronic file (PDF format) via the upload link no later than 12.00 (noon) Bangkok Time on September 30, 2021. The upload link will be provided by EGAT after the end of the registration period.

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

The commercial part of Pre-qualification Proposal shall be submitted in electronic file (PDF format) via the upload link as mentioned above together with one (1) original in hard copy and CD, DVD, or USB Flash Drive.

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 to the address as follows:

International Procurement Department - Generation, Power Plant Development  
and Renewable Energy Segment  
Procurement and Inventory Management Division  
Room 303, 3rd Floor, Building No. TOR 082  
Electricity Generating Authority of Thailand  
Bang Kruai, Nonthaburi 11130  
Thailand  
Telephone no. 662 433 9774

ELECTRICITY GENERATING AUTHORITY OF THAILAND

August 24, 2021



(Miss Chattiya Chandhanayingyong)

Chief

International Procurement Department - Generation,  
Power Plant Development and Renewable Energy Segment,  
Procurement and Inventory Management Division