



INVITATION FOR BIDS NO. EGAT 2/2564-SBAP

(Revision 8)

FOR

SOUTH BANGKOK POWER PLANT (ADDITIONAL) PROJECT

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for design, supply, customs clearance, transportation to site, construction, erection and commissioning of structural, mechanical, electrical and switchyard equipment and materials for combined cycle of three (3) generating blocks of **not less than 700 MW plus 4% degradation and not more than 700 MW plus 4% degradation, increased by 10% [(700 MW+4%degradation) +10%] per Block net power output at performance test date at site condition.** One generating block shall consist of one (1) Train i.e. Block 1 consists of Train No.1, Block 2 consists of Train No.2 and Block 3 consists of Train No.3. One Train consists of one (1) combustion turbine, one (1) heat recovery steam generator, one (1) steam turbine, and one (1) or two (2) generator(s). The equipment being furnished shall be suitable for transportation limits imposed by the site without reassembly of the combustion turbine rotor/rotor blades at the site to be identified as South Bangkok Power Plant (Additional) Project.

Proposals for equipment and materials for the combined cycle power plant, of less than 700 MW plus 4% degradation or more than 700 MW plus 4% degradation, increased by 10% [(700 MW+4%degradation) +10%] per Block net capacity at performance test date at site condition, when being fired by the specified natural gas, will not be considered. Each Block with the proposed net capacity of the proposed combined cycle power plant shall be achieved without any supplementary equipment or systems such as supplemental firing, combustion turbine air inlet chillers or evaporative coolers.

Guaranteed net plant heat rate (at performance test date at site condition, HHV, dry) at 100% Load shall not be more than 6,090 BTU/kWh (HHV, dry) each Block.

Proposals for equipment and materials for Combined Cycle Power Plant with guaranteed net plant heat rate (as mentioned above) more than 6,090 BTU/kWh (HHV, dry) each Block when being fired by natural gas at site condition as specified in Section 1B.3.9 Volume 2 will not be considered.

Other than submitting proposal for engineering, procurement and construction work (EPC) for South Bangkok Power Plant (Additional) Project, the bidder is strictly required to submit a Long Term Services Agreement (LTSA) (first term) proposal for maintenance services for Combustion Turbine for 1st – 12th year of operation and submit Long Term Service Agreement (LTSA) (second term) proposal for maintenance services for Combustion Turbine for 13th – 25th year of operation, the details of which shall be as described in Section 1G – Long Term Services Agreement (first term) and Long Term Service Agreement (second term) of Volume 3.

A failure to submit any of EPC or first term of LTSA proposal or second term of LTSA proposal shall be considered a material deviation of the Bidding requirement and shall be cause for rejection of proposals.

For LTSA (first term) and LTSA (second term), the bidder may propose any of the following as LTSA Bidder;

- 1. EPC Bidder itself, if EPC Bidder is a single company, such company is eligible to be proposed as LTSA Bidder, and if EPC Bidder is a consortium or a joint venture, the whole group of such consortium or joint venture is eligible to be proposed as LTSA Bidder.**

If the manufacturer of combustion turbines for EPC is not participated as EPC Bidder either by itself or as a member of a consortium or a joint venture, the Bidder is required to propose the manufacturer of combustion turbines for EPC to be subcontractor to perform the services under the LTSA (first term) and LTSA (second term), or

- 2. The Bidder may propose**

- (i) manufacturer of combustion turbines for EPC either alone or together with one or more of its affiliated or associated company in form of a consortium or a joint venture, or**
- (ii) any associated or affiliated company authorized by the manufacturer of combustion turbines for EPC to be LTSA Bidder.**

The proposed LTSA Bidder shall not be allowed to participate as Bidder with other Bidder in either EPC or first term of LTSA or second term of LTSA proposal. If more than one Bidder propose the same entity to be LTSA Bidder for evaluation by EGAT, they shall be considered as performing an Obstruction of Fair Price Competition which are not legally acceptable and, as a result, their proposals for EPC and first term of LTSA and second term of LTSA shall be rejected.

This project is financed by EGAT's Fund.

Place of Construction: Mueang Samut Prakan District, Samut Prakan Province

Medium Cost :

- **EPC** (excluding cost of the Demolished Materials Price to be purchased by the Bidder)
 - Block 1 THB 16,014,000,000.- (including Value Added Tax and other expenses)
 - Block 2 THB 14,450,000,000.- (including Value Added Tax and other expenses)
 - Block 3 THB 14,450,000,000.- (including Value Added Tax and other expenses)
- **LTSA**
 - Block 1
 - First term THB 3,534,000,000.- (including Value Added Tax and other expenses)
 - Second term THB 4,942,000,000.- (including Value Added Tax and other expenses)

Block 2

First term	THB 3,534,000,000.- (including Value Added Tax and other expenses)
Second term	THB 4,942,000,000.- (including Value Added Tax and other expenses)

Block 3

First term	THB 3,534,000,000.- (including Value Added Tax and other expenses)
Second term	THB 4,942,000,000.- (including Value Added Tax and other expenses)

Bid Security :

- EPC USD 68,637,000.- or THB 2,193,600,000.-
- LTSA USD 15,879,000.- or THB 507,480,000.-

Eligibility of Bidders

Only proposals from Bidders as a single company or as a Joint Venture or as a Consortium of firms who satisfy the following qualifications and certify their eligibility and qualifications by submitting evidence, detailed in the following order, will be accepted:

1. He is a registered purchaser of the bidding documents from EGAT. For a Joint Venture or Consortium, only one (1) member of the Joint Venture or Consortium is required to purchase the bidding documents. In case the Bidder's name is not exactly the same as the purchaser's name, the purchaser shall notify EGAT of the name of the Bidder in writing prior to the bid opening time;
2. He or the company he represents is a well-established manufacturer and maintains a permanent place of business.
3. He or the company he represents regularly manufactures equipment of the general type specified for not less than the last three (3) years and has adequate plant available to manufacture the specified equipment properly and expeditiously;
4. He has adequate funds to meet financial obligations incident to this work.

All such evidences to be submitted shall be of his own documents;

5. He or the company he represents has no just or proper claims pending against him with respect to breach in the performance of contract on other similar work;
6. He has adequate knowledge and practical experience to perform the Project. Except as provided in the last paragraph of this item, each company of the Joint Venture or the Consortium has defined role in the project and has performed that role in previous combined cycle power plant projects of at least one (1) project with at least 700 MW (site condition) per block of each project with commercial operation in OECD countries or in Thailand.

In case the local company who is one of the member of the Joint Venture or the Consortium, defined civil construction role in the project, he shall have the experience as mentioned above or in civil construction projects in Thailand such as large infrastructure projects or other similar civil construction projects, with contract price

of at least Baht 800 million per one (1) project with at least three (3) projects in the past ten (10) years;

7. He or the company he represents shall fulfill all the following qualifications:-
 - a) Having designed one or more Combustion Turbines with air cooling blades type of the proposed model, and
 - b) Having designed and manufactured three or more Combustion Turbines with air cooling blades type of not less than 200 MW, each with not less than two (2) years of commercial operation.
8. He or the company he represents has designed and manufactured the following units with similar design requirements, operating at equal or more severe service conditions and length of time as specified in the followings:
 - a) Three or more steam turbines of not less than 100 MW, each with not less than two (2) years of commercial operation.
 - b) Three or more triple pressure with reheat heat recovery steam generators (HRSG) of not less than 250,000 kilograms per hour of total steam output, each with not less than two (2) years of commercial operation.
 - c) Three or more generators of not less than 400 MVA, each with not less than two (2) years of commercial operation.

The evidence shall consist of selected listing of the units indicating owner's name, location, date of commercial operation, rating, operating conditions and type. The yearly record of operation which consists of the hours of operation, hours not operating but available for operation, hours out of service for scheduled major inspection and overhaul, hours out of service for scheduled minor inspection or repairs and hours out of service by force outages shall be furnished. The listing shall be specially prepared for this particular proposal and shall list only those units meeting the above requirements. The availability record of the equipment tabulated in the above list will be a factor in the evaluation of the proposals.

Such evidences shall only be of his own experience or the relevant proposed company's experience. The experience of his parent company is not acceptable except sub-item (c) below.

Other than the above evidences, the Bidder shall submit the owner and/or user certificates (e.g. Provisional Acceptance Certificate, Final Acceptance Certificate, etc.) issued by the owner and/or user, and/ or any other documents, as required by EGAT, to prove that the Bidder or the company he represents is qualified with the requirements of items 6, 7, and 8.

Failure to demonstrate compliance with a single aspect of any qualification criterion in items 6, 7 and 8 shall result in disqualification of the entire proposal. In this regard, only information provided with the proposal will be considered. However, the information submitted to EGAT after the bid opening date (Technical Proposal) shall not be considered unless it is requested by the Chairman of the Evaluating Committee;

Experience record under items 6, 7 and 8 of the Bidder or the company the Bidder represents derived from being a member of other joint venture or consortium in previous project(s) is acceptable.

For the Bidder or the company the Bidder represents under items 2, 3, 6, 7 and 8 who

- a) consolidates or merges with or acquires other firm or company or business units of other firm or company before submitting the bid, or
- b) is formed by consolidating or merging firms or companies or business units of firms or companies before submitting the bid, or
- c) is a spin off company or split off company formed and was transferred thermal and/or combined cycle power plant(s) and related services business of the aforesaid power plant(s) from its parent company before submitting the bid,

With regard to the above three cases, the experience records of each such firm or company as specified in (a) or (b) or business of the parent company as specified in (c) can be accepted as the experience records of the Bidder or the company the Bidder represents under items 2, 3, 6, 7 and 8.

For avoidance of doubt, Bidders are not allowed to refer the experience records of business of the same parent company as specified in (c) as the experience records of the Bidder under item 6.

In addition, the pending claims of any former company shall be considered the claim of the new company. The formation of the new company does not construe that the new company is released from any liability for such claims.

9. He shall not be a Jointly Interested Bidder with other Bidders as from the date of EGAT's issuance of the Invitation for Bids or shall not be a person who undertakes any action as an "Obstruction of Fair Price Competition" described in Article 1.1 of Additional Regulation attached at the end of this Section;
10. He shall not be named in the list of work abandoners published by the Permanent Secretary, Ministry of Finance, and/or in the debarment list and/or the list of work abandoners declared by EGAT according to Article 5 of Additional Regulation attached at the end of this Section;
11. He shall not have EGAT's personnel involve in his business as shareholder having voting right that can control his business, director, manager, officer, employee, agent or consultant except for the ones who are officially ordered by EGAT to act or participate therein;
12. He shall not be a person who is privileged or protected not to be taken any legal proceeding under Thai Court; provided that such Bidder's government declares that such special privilege is waived;
13. The Bidder shall not be EGAT's consultant or involve in EGAT's consultancy under this Invitation for Bids.

14. The Bidder shall provide written anti-corruption policies and guidelines with respect to procurement and supplies according to the Notification of the Anti-Corruption Cooperation Committee Concerning Minimum Standards of the Anti-Corruption Policies and Guidelines in Relation to Procurement and Supplies Required to be Implemented by the Business Operator, Section 19 of the Government Procurement and Supplies Management Act B.E.2560 (A.D. 2017).

The Bidder shall examine and submit complete evidences of the qualifications mentioned above in items 9, 10 and 11 as detailed in Additional Regulation attached at the end of this Section;

All experiences and qualifications to be submitted under this Bid shall not be later than Technical bid opening date. Failure to demonstrate compliance with the aforesaid requirement shall be cause for rejection of proposal.

In the event that the LTSA (first term and second term) Bidder is not the same entity as EPC Bidder, LTSA (first term and second term) Bidder must submit one (1) original and six (6) copies of its or their qualifications at the time of submitting the proposal for LTSA (first term and second term) in order to have the proposal considered. Qualifications in item 4, 5, 9, 10, 11, 12, 13 and 14 shall be submitted in a separate envelope but addressed in the same manner as the proposal.

Bidders are advised that the non-compliance with the above requirements shall be cause for rejection of proposals.

The following will also be taken into account in determining a Bidder's eligibility and may result in rejection of the Bidder's proposal as well:

Political situation in the country of the Bidder or in the country of origin and/or manufacturer of equipment and material which may obstruct the performance of the Contract.

Performance on previous and current contracts with EGAT.

In the event that the successful Bidder is a Joint Venture or a Consortium formed of two or more companies, EGAT requires that the Joint Venture or a Consortium accept joint and several liability for all obligations under the Contract and shall carry out all the work under such formation from the time of bidding until the fulfillment of the Contract.

Availability of Bidding Documents

Bidding documents will be available for examination of Bidder's Qualifications and for purchasing in CD-ROM during 08:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from November 2, 2021 to December 2, 2021 at USD 3,330.- or THB 100,000.-, non-refundable at the following address:

International Procurement Department –
Generation, Power Plant Development and Renewable Energy Segment
Procurement and Inventory Management Division
Room No.303, 3rd Floor, Building No. TOR 082
Electricity Generating Authority of Thailand
Bang Kruai, Nonthaburi 11130
Thailand
Facsimile No. : (662) 4336317, 4335523, 4344064
(662) 4360395
Tel. No. : (662) 4339774

For more details and downloading Request Form for purchasing Bidding documents on Web site : <http://www4.egat.co.th/fprocurement/biddingeng/>

Payment can be made by a certified cheque or money order made payable to EGAT or by telegraphic transfer to EGAT's current account no.109-6-01958-2 (swift code: KRTHTHBK), Krung Thai Bank Public Company Limited, Bang Kruai Branch, Nonthaburi. All bank charges and fees incurred by the payment of bidding documents shall be under the buyer's responsibility.

Bidding documents in CD-ROM will be either airmailed or airfreighted to the buyer at EGAT's expense upon receipt of the relevant remittance. In case the buyer requires the bidding documents to be sent by Express Mail Service (EMS), the charge will be at buyer's expense.

Delivery of Bids

Bid Opening Date is postponed from March 1, 2023 to June 1, 2023. Bids shall be submitted at Bidding Room, 1st Floor of Building No. TOR 082 at EGAT's Head Office, Nonthaburi during 9.00 hrs. to 10.00 hrs., Bangkok Standard Time, and will be opened publicly at 10.00 hrs.

ELECTRICITY GENERATING AUTHORITY
OF THAILAND
February 21, 2023



(Mrs. Mayudee Jotisuta)

Chief

International Procurement Department –Generation,
Power Plant Development and Renewable Energy Segment