



INVITATION FOR BIDS NO. EGAT 1/2563-MMRP2
FOR
MAE MOH POWER PLANT UNITS 8-9 REPLACEMENT 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 Coal Fired Power Plant of **not less than 600 MW net power output, at 100% Load, TMCR and measured at high side of the generator transformer and not more than 660 MW gross power output, at 100% Load, TMCR and measured at generator terminal.**

Proposals for equipment and materials for the Coal Fired Power Plant, of less than 600 MW net power output and/or more than 660 MW gross power output, when being fired by contractual lignite property indicated in table 1B.3.13-1, will not be considered.

Guaranteed net plant heat rate at 100% Load, TMCR (HHV, ar) shall not be more than 9,503 kJ/kWh.

Proposals for equipment and materials for the Coal Fired Power Plant with net plant heat rate (as mentioned above) more than 9,503 kJ/kWh (HHV, ar) when being fired by contractual lignite property indicated in table 1B.3.13-1 will not be considered.

This project is financed by EGAT's Fund.

Place of Construction: Mae Moh District, Lampang Province

Medium Cost : THB 41,297,000,000.- (including Value Added Tax and other expenses)

Bid Security : USD 68,411,000.- or THB 2,206,000,000.-

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 where the Bidder is not the purchaser of the bidding document, 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 second and third 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 coal fired power plant projects under supercritical and/or ultra supercritical condition of at least one (1) project with at least 600 MW (site condition) per unit of each project with commercial operation in OECD Countries or in Thailand provided that such project shall be operated with coal of calcium oxide in ash of not less than 20%.

For local company who is one of the member of the Joint Venture or the Consortium, he shall have the experience for his defined role (except civil construction role) in previous thermal power plant project in overseas country or in Thailand of at least one (1) project with at least 300 MW (site condition) per unit or per block of each project.

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 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 has designed and manufactured one or more supercritical and/or ultra supercritical, once through Steam Generator operating with coal of calcium oxide in ash of not less than 20% with commercial operation;
8. He or the company he represents has designed and manufactured the following proposed main equipments with similar design requirements, and operating in OECD countries or in Thailand as specified in the followings:
 - a) Five or more supercritical and/or ultra supercritical, once-through Steam Generator of not less than 1,500 Ton/ Hour of total steam output with steam temperature not less than 540° C and steam pressure not less than 240 Bar(g), each with not less than three (3) years of commercial operation.

At least one of which has operated at the conditions as specified in the specifications (steam temperature not less than 593° C and steam pressure not less than 250 Bar(g))

- b) Five or more steam turbines with sliding pressure capability of not less than 500 MW, each with not less than three (3) years of commercial operation.
- c) Five or more generators with Water Cool Stator of not less than 600 MVA, each with not less than three (3) years of commercial operation.

The evidence of item 8 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 item 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 item 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 Co-operation 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.

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 December 8, 2020 to January 8, 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.1206, Building No. TOR 101
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

Bids shall be submitted at Feungfa 1 Room on the First Floor of Building No. TOR 106 (Nantanakarn Building) at EGAT's Head Office, Nonthaburi during 9.00 hrs. to 10.00 hrs., Bangkok Standard Time, April 21, 2021 and will be opened publicly at 10.00 hrs.

ELECTRICITY GENERATING AUTHORITY
OF THAILAND

December 1, 2020

Chattiya C.

(Miss Chattiya Chandhanayingyong)
Chief

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