

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

**REGISTRATION FORM**

INVITATION TO BID NO. TILS-TX-02

FOR SUPPLY OF 333.33 MVA 500 kV POWER TRANSFORMER

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

AVAILABLE DURATION FOR PURCHASING DECEMBER 6, 2019 TO FEBRUARY 7, 2020

PRICE USD 160.- OR THB 5,000.-

**COMPLETE DATA IS REQUIRED FOR THE BIDDER'S OWN BENEFITS**

(โปรดกรอกรายละเอียดให้ครบถ้วนเพื่อประโยชน์ของบริษัท)

**Step 1** : Fill out this Registration Form in English (Typing is preferred)

**Step 2** : Submit this form for payment at Receivable Cashier Section (1<sup>st</sup> Floor, TOR 100 Bldg., Counter 4-8) Tel no. 02 436 5511

**Step 3** : Bring the payment receipt and the copy of filled-out Registration Form to receive the bidding documents at International Procurement Department - Transmission Segment (Room No. 1202/2, 12<sup>th</sup> Floor, Building Tor. 101) Tel no. 02 436 0341-42

FOR PURCHASER		TAX ID :	
NO.	RECEIPT NO. :	DATE :	PURCHASER (ผู้ซื้อ):
BIDDER'S NAME (บริษัทผู้ซื้อเอกสาร)			
ADDRESS (ที่อยู่)		COUNTRY :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
LOCAL REPRESENTATIVE (ตัวแทนในประเทศ)			
ADDRESS (ที่อยู่)		TAX ID :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
FOR PROCUREMENT OFFICER		CHANGE OF BIDDER'S NAME	TAX ID :
BIDDER'S LETTER NO. :		DATED :	
NEW BIDDER'S NAME (ชื่อผู้ซื้อเอกสารเปลี่ยนเป็น)			
ADDRESS (ที่อยู่)		COUNTRY :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
LOCAL REPRESENTATIVE (ตัวแทนในประเทศ)			
ADDRESS (ที่อยู่)		TAX ID :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
FOR PROCUREMENT OFFICER		FOR PURCHASER	
Procurement Officer (ผู้ส่งมอบเอกสาร)		Document received by (ผู้รับมอบเอกสาร)	



INVITATION TO BID NO. TILS-TX-02

(Revision 1)

SUPPLY OF 333.33 MVA 500 KV POWER TRANSFORMER  
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION  
TO ENHANCE SYSTEM SECURITY

The Electricity Generating Authority of Thailand (EGAT) is calling for the subject Invitation to Bid to be financed by EGAT's fund.

**Place of Delivery** : Laem Chabang Port / Ex-works

**Medium Cost (including Value Added Tax and other expenses)** : THB 330,000,000.-

**Eligibility of Bidders**

1. The Bidder shall be a juristic person who manufactures or provides such materials or services and shall not be named in the List of Work Abandoners published by the Office of Prime Minister and/or in the Debarment List and/or in the List of Work Abandoners declared by EGAT.
2. The Bidder shall not be a Jointly Interested Bidder with other Bidders as from the date of EGAT's issuance of the Invitation, or shall not be a person who undertakes any action as an "Obstruction of Fair Price Competition" for this Invitation.
3. The Bidder shall not either be EGAT's consultant or involve in EGAT's consultancy company under this Invitation to Bid, or shall not have EGAT's personnel involved in his business as shareholder having voting right that can control his business, director, manager, officer, employee, agent, or consultant except those who are officially ordered by EGAT to act or participate therein.
4. The Bidder shall not be the person who is privileged or protected not to be taken any legal proceedings under Thai Court; Provided that such Bidder's government declares that such special privilege is waived.
5. The Bidder who is a joint venture or consortium 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 in CD-ROM will be available for examination of Bidder's Qualifications and purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from December 6, 2019 to February 7, 2020 at USD 160.- or THB 5,000.- per copy, non-refundable, at the following address :

International Procurement Department - Transmission Segment  
(Room No. 1202/2, 12<sup>th</sup> Floor, Building Tor. 101)  
Procurement and Inventory Management Division  
Electricity Generating Authority of Thailand  
Bangkruai, Nonthaburi 11130, Thailand  
Telephone no. 66 2436 0341

E-mail : [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th)

For more details and downloading Registration Form for purchasing Bidding Documents on website :

<http://www4.egat.co.th/fprocurement/biddingeng/>

Payment can be made by a certified cheque or money order payable to EGAT or by a telegraphic transfer to EGAT's current account no. 109-6-01958-2 (swift code : KRTHTHBK), Krung Thai Bank Public Company Limited, Bangkruai 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 the buyer's expense.

*Kannika Drachalapat*

**\*Delivery of Bids**

Bids shall be submitted at Room No. 1202/1, 12<sup>th</sup> Floor, Building Tor. 101 during 9:30 hrs. to 10:00 hrs., Bangkok Standard Time, **March 3, 2020** and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

February 13, 2020

*Kannika Dhachalapat*

(Mrs. Kannika Dhachalapat)

Chief, International Procurement Department -  
Transmission Segment

*Remark : Bid Opening Date is postponed from February 18, 2020 to March 3, 2020.*



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย  
เรื่อง ประกวดราคาซื้อ เลขที่ TILS-TX-02

(ฉบับแก้ไข ครั้งที่ 1)

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ 333.33 MVA 500 kV Power Transformer สำหรับโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า โดยใช้งบประมาณ กฟผ.

**สถานที่ส่งมอบ** : ท่าเรือแหลมฉบัง / หน้าโรงงานผู้ผลิต

**ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่น ๆ)** : 330,000,000.- บาท

**คุณสมบัติของผู้เสนอราคา**

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุตามประกาศ และต้องไม่เป็นผู้ที่ทำงานซึ่งสำนักนายกรัฐมนตรีได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง กฟผ.
2. ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
3. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทนหรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
4. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
5. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม ตั้งแต่การเสนอราคาจนถึงสุดข้อผูกพันกับ กฟผ.

**การขายเอกสารประกวดราคา**

ผู้สนใจติดต่อขอทราบรายละเอียด เพื่อตรวจสอบคุณสมบัติของผู้เสนอราคา และขอซื้อเอกสารประกวดราคา ในราคาชุดละ 5,000.- บาท ได้ที่ แผนกจัดซื้อต่างประเทศสายงานระบบส่ง (ห้อง 1202/2 ชั้น 12 อาคาร ท.101) กองจัดซื้อจัดจ้างต่างประเทศ สายงานระบบส่ง ฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 6 ธันวาคม 2562 ถึงวันที่ 7 กุมภาพันธ์ 2563 หรือสอบถามทางโทรศัพท์ หมายเลข 0 2436 0341 หรืออีเมล procurement.tse@egat.co.th ทั้งนี้ สามารถ download แบบฟอร์มลงทะเบียนผู้ซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng/>

กมลทิศา วิชาญชัย

**\*การยื่นของประกวดราคา**

กำหนดยื่นของประกวดราคา ในวันที่ 3 มีนาคม 2563 เวลา 9:30 น. ถึง 10:00 น. และเปิดซองประกวดราคาเวลา 10:00 น. ณ ห้อง 1202/1 ชั้น 12 อาคาร ท.101 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศแก้ไข ณ วันที่ 13 กุมภาพันธ์ 2563

**กมลทิศา วิชาญ**  
(นางกรรณิกา วิชาญ)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

หมายเหตุ : เลื่อนกำหนดเปิดซองประกวดราคาจากวันที่ 18 กุมภาพันธ์ 2563 เป็นวันที่ 3 มีนาคม 2563

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)  
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ ประกวดราคาเลขที่ TILS-TX-02  
งานจัดซื้อ 333.33 MVA 500 kV Power Transformer  
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า  
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
  2. วงเงินงบประมาณที่ได้รับจัดสรร  
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า  
งบประมาณ 35,400 ล้านบาท
  3. วันที่กำหนดราคากลาง 9 ตุลาคม 2562 (วันที่ ชสพ. อนุมัติ )  
ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 330,000,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ
  4. แหล่งที่มาของราคากลาง  
หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานระบบส่ง
  5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง
    - 5.1 นายฉัตรชัย เขาวนาธิคม หมพ-ส. กวอ-ส.
    - 5.2 นายสินธุ์ชัย ตีลังานนท์ วศ.6 หมพ-ส. กวอ-ส.
- หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อกรักษาเข้า เป็นต้น

นางสาวหทัยภัทร พูนผลกุล  
หจก. ส. - ห.  
29 พ.ย. 2562

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**MEDIUM COST FOR BID NO.TILS-TX-02**  
**SUMMARY OF BID PRICE**  
**SUPPLY OF 333.33 MVA 500 KV POWER TRANSFORMER**  
**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY**

No.	Description	Currency	Supply of Equipment	Supply of Equipment	Foreign Currency	Local Currency
			Foreign Supply	Local Supply		
			CFR Thai Port	Ex-works Price ( excluding VAT ) Baht		
			Amount	Amount		
1	Schedule 1 : 333.33 MVA, 500 kV Auto-Transformer	THB	305,672,000.00		1,106,000.00	
<b>BID PRICE</b>		<b>THB</b>	<b>305,672,000.00</b>	<b>Baht</b>	<b>1,106,000.00</b>	<b>Baht</b>
<b>IMPORT DUTY (0% and 10%)</b>		<b>THB</b>	<b>117,200.00</b>	<b>Baht</b>		<b>Baht</b>
<b>CUSTOM CLEARANCE (0.6%)</b>		<b>THB</b>	<b>1,834,032.00</b>	<b>Baht</b>		<b>Baht</b>
<b>VAT</b>		<b>THB</b>	<b>21,405,244.00</b>	<b>Baht</b>	<b>77,420.00</b>	<b>Baht</b>
<b>SUMMARY OF BID PRICE</b>		<b>THB</b>	<b>329,028,476.00</b>	<b>Baht</b>	<b>1,183,420.00</b>	<b>Baht</b>
<b>TOTAL MEDIUM COST</b>		<b>THB</b>	<b>330,211,896.00</b>			<b>Baht</b>
<b>TOTAL MEDIUM COST (ROUND)</b>		<b>THB</b>	<b>330,000,000.00</b>			<b>Baht</b>

อนุมัติ พงษ์ภว  
 นางสาวหทัยภัทร พูนผลกุล  
 ๒๖๙-๗

**๒๙ เม.ย. ๒๕๖๒**

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**MEDIUM COST FOR BID NO. TILS-TX-02**  
**Schedule 1 : 333.33 MVA, 500 kV Auto-Transformer**  
**SUPPLY OF 333.33 MVA 500 KV POWER TRANSFORMER**

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY**

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		Foreign Currency	Local Currency ( excluding VAT ) Baht
					Foreign Supply				Local Supply			
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price ( excluding VAT ) Baht			
							Unit Price	Unit Price	Unit Price	Amount		
				Amount								
1-1	333.3 MVA 525/√3,242/√3-22 kV single phase unit autotransformer complete with tank mounted surge arresters, insulating oil and accessories as per Ratings and Features RF TX9910	3		THB	43,500,000.00		43,500,000.00	130,500,000.00			XXXXXX	XXXXXX
1-2	333.3 MVA 525/√3,242/√3-22 kV single phase unit autotransformer complete with tank mounted surge arresters, insulating oil and accessories as per Ratings and Features RF TX9910	3		THB	43,500,000.00		43,500,000.00	130,500,000.00			XXXXXX	XXXXXX
1-3	333.3 MVA 525/√3,242/√3-22 kV single phase unit autotransformer complete with tank mounted surge arresters, insulating oil and accessories as per Ratings and Features RF TX9910. Supply as spare parts.	1		THB	43,500,000.00		43,500,000.00	43,500,000.00			XXXXXX	XXXXXX
1-4	Common Control Cabinet as per Specification No. 101 for Item No. 1-1	1		THB	558,000.00		558,000.00	558,000.00			XXXXXX	XXXXXX
1-5	Common Control Cabinet as per Specification No. 101 for Item No. 1-2	1		THB	558,000.00		558,000.00	558,000.00			XXXXXX	XXXXXX
1-6	Complete Set of one or two units of each type and each size of auxiliary relay (two units are required where five units or more of each type and each size are provided per one transformer bank), Supply as spare parts.	2		THB	28,000.00		28,000.00	56,000.00			XXXXXX	XXXXXX
1-7	Cost of installation supervisor for Item No. 1-1	3.00	Man-Day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	474,000.00	
1-8	Cost of installation supervisor for Item No. 1-2	3.00	Man-Day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	474,000.00	
1-9	Cost of installation supervisor for Item No. 1-3	1.00	Man-Day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	158,000.00	
	Equipment which shall be used together as a complete set referring to Article relevant to Liquidated Damages for Late Delivery of Equipment are item nos. 1-1 with 1-4 and 1-2 with 1-5.											
<b>Total Price for Schedule 1</b>								<b>305,672,000.00</b>		<b>Baht</b>	<b>1,106,000.00</b>	<b>Baht</b>

๒๙ พ.ย. ๒๕๖๒  
 นางสาวพิชญ์พัชร์ พูนทรัพย์  
 ๒๙ พ.ย. ๒๕๖๒  
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**MEDIUM COST FOR BID NO.TILS-TX-02**  
**Service of Installation Supervisor (Schedule 1)**  
**SUPPLY OF 333.33 MVA 500 KV POWER TRANSFORMER**  
**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY**

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
1-7	Cost of installation supervisor for Item No. 1-1	3.00	Man-Day	THB	158,000.00	474,000.00		
1-8	Cost of installation supervisor for Item No. 1-2	3.00	Man-Day	THB	158,000.00	474,000.00		
1-9	Cost of installation supervisor for Item No. 1-3	1.00	Man-Day	THB	158,000.00	158,000.00		

Note:

1. The quoted total man-days for installation supervisor shall be the required number of days for complete installation, erection, field test and commissioning of all equipment as specified.
2. In addition to the quoted total man-days above, EGAT will also pay the following :
  - a. Travelling time from and to Supervisor's home office as well as travelling time from and to the installation site including ten (10) working days of operation, if any, which will be at the same rate as the cost quoted per man-day.
  - b. Airfares round trip economy class between the Supervisor 's home office and Bangkok by the most expeditious and direct route.
3. Local transportation from and to installation site will be provided by EGAT.
4. If the working man-days are less than the quoted total man-days, the payment shall be on the basis of actual man-days.
5. For man-days exceeding the quoted total amount, no payment shall be made by EGAT. Any such additional man-days approved by EGAT shall be paid on the quoted man-days rate.

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**Important Information**  
**for**  
**Invitation to Bid No. TILS-TX-02**

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The purpose of this section is to inform the Bidders to **carefully study** the details of the revised terms and conditions in the bidding documents. The following provisions have been **recently revised** as stated hereunder:

**Article B-12. Evaluation and Comparison of Bids**

The calculated insurance premium to be used for evaluation and comparison purpose has been revised from 0.0898% to **0.0629%**.

**Article F-8. Payment:**

If the Contractor requires the payment of foreign currency portion to be paid directly to the suppliers, he has to inform EGAT **which portion of the Contract Price, as stipulated in the term of payment of the Contract**, to be paid accordingly.

In case the local Contractor requires foreign currency or currencies to be paid directly to him, payment of such foreign currency or currencies will be made to the local Contractor in Thai Baht by using the **selling exchange rate** published by the Bank of Thailand on the **payment date** (previously stated as buying exchange rate on the bid opening date).

The number of days which payment for the first portion of foreign supply will be made after delivery, previously specified as 45 days, has been **deleted**.

**Article F-9. Liquidated Damages for Late Delivery of Equipment:**

The limit of liquidated damages, previously specified that does not exceed 10%, has been **deleted**.

# **DATA SHEET**

**for**

## **Invitation to Bid No. TILS-TX-02**

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This section consists of provisions that are specific to each procurement and supplement the information or requirements included in bidding documents.

### **Article B-3. Bid Security**

The amount of bid security shall be USD 540,600.- or THB 16,500,000.-.

### **Article B-4. Validity of Bids**

The validity of the bid shall be for one hundred and twenty (120) Days from the date specified for opening of bid.

### **Article B-8. Information to be Submitted with Bid:**

For supply of 500 kV Autotransformer

m. A statement indicating that the parent manufacturer shall certify and be responsible for the design, production process and quality control.

### **Article B-12. Evaluation and Comparison of Bids:**

The evaluation of bid prices shall be on schedule basis.

**Article E-29. Failure to Meet Requirements and F-10. Maintenance Guarantee**

Maintenance Guarantee Period

- For all Equipment except Shunt Reactor, 200 MVA 230 kV and above Power Transformer and 500 kV System Voltage Equipment

The Contractor shall guarantee the proper functioning of Equipment for a period of one (1) Year except the following Equipment the guarantee period of which shall be as follows :

<u>Equipment</u>	<u>Period of Guarantee (Year)</u>
- Fault Recording System	2
- Control and Protection System	2

- For Shunt Reactor, 200 MVA 230 kV and above Power Transformer and 500 kV System Voltage Equipment

The Contractor shall guarantee the proper functioning of Equipment for a period of five (5) Years.

Defective Equipment to be replaced with the whole new set

For GIS, Power Transformer, Power Circuit Breaker, Shunt Reactor, in case EGAT, at its sole discretion, requires the Contractor to replace any defected Equipment, the Contractor shall replace the Equipment with the whole new set as specified in Failure to Meet Requirements in section E and Maintenance Guarantee in section F.

**Article F-9. Liquidated Damages for Late Delivery of Equipment**

The Liquidated Damages shall be at the rate of one-tenth of one (0.10) per cent of the price of each complete item of Equipment not timely delivered for each Day of delay. This sum is payable regardless of the actual loss and/or damages incurred.

**INVITATION TO BID NO. TILS-TX-02**  
**SUPPLY OF 333.33 MVA 500 kV POWER TRANSFORMER**  
**TRANSMISSION SYSTEM IMPROVEMENT PROJECT**  
**IN LOWER SOUTHERN REGION TO ENHANCE**  
**SYSTEM SECURITY**

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**A-1. Invitation**

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of 333.33 MVA 500 kV Power Transformer under Transmission System Improvement Project in Lower Southern Region to Enhance System Security hereinafter called Equipment in accordance with the terms, conditions and Specifications described in these Bidding Documents.

**A-2. Eligibility of Bidders: General Requirements**

All Bidders shall meet the following requirements; failure to so comply shall constitute sufficient ground for rejection.

- a. The Bidder shall be a partnership, firm or company, either alone or in joint venture or in consortium.
- b. The Bidder shall be a 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 the case where the Bidder is not the purchaser of the bidding documents, the purchaser shall notify EGAT of the name of the Bidder in writing *prior to the bid opening*.

- c. The Bidder shall be well-established and maintain a permanent place of business. For a joint venture or consortium, all members of the joint venture or consortium are required to meet this qualification.
- d. The Bidder shall not be named in the List of Work Abandoners published by the Office of the Prime Minister and/or in the Debarment List and/or in the List of Work Abandoners declared by EGAT.

- e. For the Bidder who changes name before submitting the bid, his experience records in previous name shall be considered as the experience records of the Bidder.
- f. The Bidder shall not be a Jointly Interested Bidder with other Bidders as from the date of EGAT's issuance of this invitation to bid, or shall not be a person who undertakes any action as an "Obstruction of Fair Price Competition" as defined in Additional Regulation for this invitation.
- g. The Bidder shall not either be EGAT's consultant or involve in EGAT's consultancy company under this invitation, or have EGAT's personnel involved in his business as shareholder having voting right that can control his business, director, manager, officer, employee, agent or consultant except the ones who are officially ordered by EGAT to act or participate therein.
- h. The Bidder shall not be the 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.
- i. In case of a joint venture or consortium, the Bidder shall carry out all the provision of the Equipment and all Work under such formation from the time of bidding until the fulfillment of the Contract and the parties to the joint venture or the consortium shall accept joint and several liability for performing all obligations under the bid and the Contract.
- j. The Bidder shall not propose to supply the Equipment from the country under the state of war whether declared or not.
- k. The Bidder shall have adequate fund to meet financial obligations incidental to this Contract.
- l. The Bidder shall submit documentary evidence established in accordance with Article B-8. Information to be Submitted with Bid to demonstrate the Bidder's sufficient eligibility to bid and qualification to perform the Contract.

**A-3. Eligibility of Bidders: Technical Requirements**

**I. All Bidders shall meet the following requirements; failure to so comply shall constitute sufficient ground for rejection.**

- a. The Bidder shall manufacture or supply the Equipment or Work as required under this invitation to bid.

- b. If the Bidder is a new company formed by acquisition of or merger with other companies or business units before submitting the Bid, the experience records of any of such previous companies or business units that meet the requirements set forth herein are acceptable as the experience records of the Bidder.
- c. The Bidder shall have no just or proper claims pending against the Bidder with respect to breach in the performance of contract on other similar works awarded by EGAT. If the Bidder is a new company formed by acquisition of or merger with other companies or business units, the pending claim of any of such previous companies or business units shall be considered pending claim of the Bidder.
- d. The Bidder shall have sufficient capacity to carry out the Work.
- e. The Bidder shall propose Equipment manufactured by the qualified manufacturers who shall fulfill the following requirements :
  - 1. Being well-established and maintaining a permanent place of business.
  - 2. The manufacturer shall have the experience records that meet the requirements set forth herein.

Reference records of either parent or affiliated companies shall not be considered as the records of such manufacturer.

- 3. If the Manufacturer is a new company formed by acquisition of or merger with other companies or business units, and any of such previous companies or business units has the experience records that meet the requirements set forth herein, such experience records are acceptable as the experience records of the new company, provided that each item of the equipment to be supplied under this bid shall be manufactured from the same source of supply as indicated in each of such relevant supply records as described in Item e.5 thru. e.6 below. Otherwise, it shall not be acceptable and shall be sufficient grounds for rejection.

For the avoidance of doubt, it is not allowed to combine the experience records of the previous companies or business units in order to meet the experience requirements.

- 4. Regularly manufacturing of transformers of the type specified.
- 5. Having one of the following qualifications:
  - 5.1 Having experience in manufacturing of at least six (6) units of auto-transformers having the minimum capacity of 333.33 MVA (single phase) and minimum BIL rating of 1425 kV with at least five (5) consecutive years of successful operation/use in an overseas country (not his own country)
  - OR
  - 5.2 Having experience in manufacturing of at least two (2) units of auto-transformers having the minimum capacity of 1000 MVA (three phase) and minimum BIL rating of 1425 kV with at least five (5) consecutive years of successful operation/use in an overseas country (not his own country)

OR

5.3 Having experience in manufacturing of a combination of at least three (3) units of the single-phase auto-transformers of item 5.1 and at least one (1) unit of the three-phase auto-transformers of item 5.2 with at least five (5) consecutive years of successful operation/use in an overseas country (not his own country).

OR

5.4 Having experience in manufacturing of at least three (3) units of auto-transformers having the minimum capacity of 333.33 MVA (single phase) and minimum BIL rating of 1425 kV with at least one (1) year of successful operation/use in EGAT System.

OR

5.5 Local manufacturer, having a letter of acceptance issued by EGAT for manufacturing and/or fabrication of 500 kV auto-transformer with rating of not-more-than 333.33 MVA is allowed to propose only one (1) schedule with the maximum number of 7 units. Otherwise, EGAT reserves the right to reject such bid as being non-responsive.

Furthermore, the local manufacturer who is awarded and signs the Contract with EGAT shall be allowed to participate in the next bid after it is certified by EGAT that at least three (3) units of transformers provided under the Contract have at least one (1) year successful operation in EGAT system, with a certification letter issued by EGAT.

6. Having one of the following qualifications:

6.1 Having a short circuit test record of the auto-transformer of 200 MVA, 230 kV or above. The level of occurring stress in the winding shall be similar to the proposed unit. The short circuit test record shall be *performed at* international reference laboratory/institute/utility as *follows*: KEMA, EDF, CESI and IREQ.

OR

6.2 Having a record of satisfactory operation/use of the auto-transformer of at least 200 MVA, 230 kV or above in EGAT system. The minimum supplying record shall be two (2) units with five (5) consecutive years of operation/use.

OR

6.3 Having a letter of acceptance for manufacturing and/or fabrication of the specific Equipment issued by EGAT within the scope specified therein (For the local manufacturer).

7. Proposing the manufacturer who has no just or proper pending claims against Equipment on other similar works.



In case the manufacturer is a new company formed by acquisition or merger with other companies or business units, the pending claim of any of such previous companies or business units shall be considered pending claim of the manufacturer.

8. In addition, Bidder may proposed the Equipment of the qualified manufacturer under clause *e.1* thru *e.7* which manufactured by another factory (not an original factory) for consideration on the conditions that :

8.1 The manufacturer shall have the experience records that meet the requirements set forth herein.

Reference records of either parent or affiliated companies shall not be considered as the records of such manufacturer.

8.2 If such proposed factory is a new company formed by acquisition of or merger with other companies or business units, and any of such previous companies or business units has the experience records that meet the requirements set forth herein, such experience records are acceptable as the experience records of the new company, provided that each item of the equipment to be supplied under this bid shall be manufactured from the same source of supply as indicated in each of such relevant supply records as described in Item *e.8.3*. Otherwise, it shall not be acceptable and shall be sufficient grounds for rejection.

For the avoidance of doubt, it is not allowed to combine the experience records of the previous companies or business units in order to meet the experience requirements.

8.3 Such proposed factory shall have experience in manufacturing of :

a. at least six (6) units of auto-transformers having the minimum capacity of 250 MVA (single phase) and minimum BIL rating of 1425 kV with at least three (3) years of successful operation/use.

OR

b. at least two (2) units of auto-transformers having the minimum capacity of 750 MVA (three phase) and minimum BIL rating of 1425 kV with at least three (3) years of successful operation/use.

OR

c. a combination of at least three (3) units of the single-phase auto-transformers of item a. and at least one (1) unit of the three-phase auto-transformers of item b. with at least three (3) years of successful operation/use.

8.4 Proposing such factory who has no just or proper pending claims against Equipment on other similar works.

In case such factory is a new company formed by acquisition or merger with other companies or business units, the pending claim of any of such previous companies or business units shall be considered pending claim of such factory.