

## **EGAT's Privacy Notice on Procurement, Inventory Management and Contract Administration**

Electricity Generating Authority of Thailand (EGAT) has performed the protection of the Personal Data regarding procurement, inventory management and contract administration to be in accordance with the **Personal Data Protection Act B.E. 2562** (the "2019 PDPA"), which comes into effect on June 1, 2022.

Details about EGAT's Privacy Notice on Procurement, Inventory Management and Contract Administration are available for you at [https://www.egat.co.th/privacy-notice-procurement\\_en.html](https://www.egat.co.th/privacy-notice-procurement_en.html) or the below QR Code.



## **The Redaction of Sensitive Personal Data**

EGAT has announced the Privacy Notice on Procurement, Inventory Management and Contract Administration for the collection, use or disclosure of Personal Data, excluding the Sensitive Personal Data.

Should the documents you wish to submit to EGAT contain the Sensitive Personal Data as defined in Section 26 of the 2019 PDPA, pertaining to racial, ethnic origin, political opinions, cult, religious or philosophical beliefs, sexual behavior, criminal records, health data, disability, trade union information, genetic data, biometric data, or of any data which may affect you in the same manner, you shall redact or conceal such data before submitting to EGAT.

## ประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญาของ กฟผ.

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ได้ดำเนินการคุ้มครองข้อมูลส่วนบุคคลสำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา เพื่อให้เป็นไปตามพระราชบัญญัติคุ้มครองข้อมูลส่วนบุคคลของประเทศไทย พ.ศ. 2562 (PDPA) ซึ่งมีผลบังคับใช้อย่างครบถ้วน ตั้งแต่วันที่ 1 มิถุนายน 2565 ทั้งนี้ ท่านสามารถศึกษารายละเอียดประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา ได้ที่ <https://www.egat.co.th/privacy-notice-procurement.html> หรือที่ QR Code ด้านล่าง



### การขิดฆ่าข้อมูลส่วนบุคคลอ่อนไหว

กฟผ. มีประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา เพื่อใช้ในการเก็บรวบรวม ใช้ หรือเปิดเผย ข้อมูลส่วนบุคคล แต่ไม่เก็บข้อมูลส่วนบุคคลอ่อนไหว หากเอกสารของท่านที่ต้องส่งมอบให้ กฟผ. มีข้อมูลส่วนบุคคลอ่อนไหวตามที่ถูกบัญญัติไว้ในมาตรา 26 ของ PDPA ดังนี้ เชื้อชาติ เผ่าพันธุ์ ความคิดเห็นทางการเมือง ความเชื่อในลัทธิ ศาสนาหรือปรัชญา พฤติกรรมทางเพศ ประวัติอาชญากรรม ข้อมูลสุขภาพ ความพิการ ข้อมูลสหภาพแรงงาน ข้อมูลพันธุกรรม ข้อมูลชีวภาพ หรือข้อมูลอื่นใด ซึ่งกระทบต่อเจ้าของข้อมูลส่วนบุคคลในทำนองเดียวกันรวมอยู่ด้วย ขอให้ท่านขิดฆ่า หรือปกปิดข้อมูลดังกล่าว ก่อนส่งมอบให้แก่ กฟผ.

## Notice to Bidder

### Subject : Online Payment for Purchase of Bidding Documents

Please be informed of the online payment for purchase of bidding documents as follows:

- 1) Download the Registration Form and fill out all necessary information by typing. (Complete data is required.)
- 2) Payment shall be made by bank transfer or telegraphic transfer to EGAT's 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.

- 3) Submit the fill-out Registration Form and the proof of payment from 1) to the email address of the in-charge officer and [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th) in the CC. before 15.00 hrs. Bangkok Standard Time.
- 4) After the payment has been verified for approximately 3 working days, the in-charge officer will send the link for downloading the bidding documents together with the receipt to the purchaser's email address in the Registration Form.

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# Registration Form

(Revision 1)

Invitation to Bid No. TIPE-CON-07

Supply of Transmission Line Conductor

Transmission System Improvement Project in Eastern Region to Enhance System Security

Available Duration for Purchasing : March 21, 2025 - September 5, 2025

Price of Bidding Documents : THB 2,000.-

## Instructions

- 1) Payment shall be made by bank transfer or telegraphic transfer to EGAT's account no. 109-6-01958-2 (swift code : KRTHTHBK), Krung Thai Bank Public Company Limited, Bangkruai Branch, Nonthaburi.
- 2) Fill out this Registration Form in English by typing. (Complete data is required.)
- 3) Submit the filled-out Registration Form and the proof of payment to the in-charge officer via email (with cc. procurement.tse@egat.co.th) before 15.00 hrs. Bangkok Standard Time.
- 4) The in-charge officer will send the link for downloading the bidding documents together with the receipt to the purchaser's email address in the Registration Form, which will take approximately 3 working days.

For Purchaser			TAX ID :
No.	Receipt No. :	Date :	
Bidder's Name			
Address			
		Country :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
Local Representative			
Address			
		Tax ID :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
For Procurement Officer		Change of Bidder's Name	TAX ID :
Bidder's Letter No. :			Dated :
New Bidder's Name			
Address			
		Country :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
<b>Contact Information of In-charge Officer</b>			
Name	Miss Natchapich Larprassameeparn		
Email address	598265@egat.co.th		
Telephone No.	0 2436 3341		
Mobile No.	09 8946 4717		

Remark : Available Duration for Purchasing is extended from March 21, 2025 – May 8, 2025 to March 21, 2025 - September 5, 2025.



Invitation to Bid No. TIPE-CON-07

(Revision 1)

## Supply of Transmission Line Conductor

### Transmission System Improvement Project in Eastern 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** : Ex-works

**Medium Cost (including Value Added Tax)** : THB 76,300,000.-

#### Eligibility of Bidders

1. The Bidder shall be a local manufacturer or provide such locally manufactured materials and/or equipment 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 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

*Bid Selling Period is extended from March 21, 2025 – May 8, 2025 to March 21, 2025 - September 5, 2025.*

Bidding Documents are available for online purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, at THB 2,000.- per copy, non-refundable.

Please find more details for online purchasing process at <http://www4.egat.co.th/fprocurement/biddingeng> or contact for further information at telephone no. 0 2436 0341 or [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th).

#### Delivery of Bids

*Bid Opening Date is postponed from May 20, 2025 to September 16, 2025 and change venue of Bid submitting and opening from Bidding Room, 1<sup>st</sup> Floor, Tor 082 Building to Bidding Room, 1<sup>st</sup> Floor, Tor 137 Building at EGAT's Head Office, Nonthaburi during 09:00 hrs. to 10:00 hrs., Bangkok Standard Time, and will be opened publicly at 10:00 hrs.*

ELECTRICITY GENERATING AUTHORITY OF THAILAND

April 30, 2025

*Kannika Dhachalapat*

(Mrs. Kannika Dhachalapat)

Chief, International Procurement Department - Transmission Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย  
เรื่อง ประกวดราคาซื้อ เลขที่ TIPE-CON-07

(ฉบับแก้ไข ครั้งที่ 1)

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Transmission Line Conductor สำหรับโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือเพื่อเสริมความมั่นคงระบบไฟฟ้า โดยใช้งบประมาณ กฟผ.

สถานที่ส่งมอบ : หน้าโรงงานผู้ผลิต

ราคากลาง (รวมภาษีมูลค่าเพิ่ม) : 76,300,000.- บาท

**คุณสมบัติของผู้เสนอราคา**

1. ต้องเป็นนิติบุคคลผู้ผลิตวัสดุ หรือผู้มีอาชีพขายวัสดุที่ผลิตในประเทศไทยตามประกาศ และต้องไม่เป็นผู้ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง กฟผ.
2. ต้องไม่มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
3. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทน หรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
4. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
5. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

**การขายเอกสารประกวดราคา**

ขายระยะเวลาการขายเอกสารประกวดราคาจากวันที่ 21 มีนาคม 2568 ถึงวันที่ 8 พฤษภาคม 2568 เป็น  
จากวันที่ 21 มีนาคม 2568 ถึงวันที่ 5 กันยายน 2568

ผู้สนใจติดต่อซื้อเอกสารประกวดราคา ในราคาชุดละ 2,000.- บาท ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ทั้งนี้ สามารถดูรายละเอียดการซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0341 หรืออีเมล [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th)

**การยื่นซองประกวดราคา**

กำหนดยื่นซองประกวดราคา เลื่อนจากวันที่ 20 พฤษภาคม 2568 เป็นวันที่ 16 กันยายน 2568 เวลา 09:00 น. ถึง 10:00 น. และเปิดซองประกวดราคา เวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 จากเดิม อาคารฝ่ายจัดซื้อจัดจ้างและบริหารวัสดุ ท.082 เป็น อาคารฝ่ายจัดซื้อจัดจ้างและบริหารวัสดุ ท.137 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศแก้ไข ณ วันที่ 30 เมษายน 2568

กมลิกา อธิคุณ

(นางกรรณิกา ธชาลภูมิ)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)  
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ Bid No. TIPE-CON-07

การจัดซื้อ Transmission Line Conductor

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือเพื่อเสริมความมั่นคงระบบไฟฟ้า  
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือเพื่อเสริมความมั่นคงระบบไฟฟ้า  
งบประมาณ 21,000 ล้านบาท

3. วันที่กำหนดราคากลาง 16 มกราคม 2568 (วันที่ อวส. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มเป็นเงิน 76,300,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ

4. แหล่งที่มาของราคากลาง

หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานพัฒนาระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

1. นายวิฑูรย์ บรรดาศักดิ์ นวส-นร. กวสส-ร.

2. นางสาวสิรินยา ต้นสัจจา หปส-ร. กวสส-ร.

3. นายทรงธรรม ปรมวระทะกุล วศ.8 หปส-ร. กวสส-ร.

นางสาวกานต์ชนก ผู้ดูแล  
ทชตส-ท.

21 มี.ค. 2568

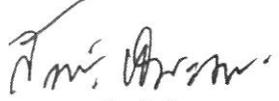
**DETAILS OF THE MEDIUM COST FOR BID NO. TIPE-CON-07**

SCHEDULE 1 : SUPPLY OF TRANSMISSION LINE CONDUCTOR

Item	Description	Qty. km.	Unit	Unit Price (Including VAT) Baht	Amount (Including VAT) Baht
1-1	1272 MCM ACSR/GA Conductor	95.76	km	229,087.00	21,937,371.12
1-2	1272 MCM ACSR/GA Conductor	79.80	km	229,087.00	18,281,142.60
1-3	1272 MCM ACSR/GA Conductor	79.80	km	229,087.00	18,281,142.60
1-4	1272 MCM ACSR/GA Conductor	77.52	km	229,087.00	17,758,824.24
<b>Total Bid Price (Including VAT)</b>					<b>76,258,480.56</b>

<b>MEDIUM COST OF BID NO. TIPE-CON-07</b>	<b>76,300,000.00</b>
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นางสาวกานต์ชนก ผู้อดสำห้  
ทชคส-ท.  
21 มี.ค. 2568

  
นายสรวิชัย หิมะมาน  
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง  
16 Jan 2025

**Important Information**  
**for**  
**Invitation to Bid No. TIPE-CON-07**

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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 A-5. Preparation and Delivery of Bids and Article B-1. Preparation of Bids**

Details on how to prepare the proposal have been revised. Bids shall be prepared in accordance with the Instructions to Bidders contained in the Bidding Documents in one (1) original hard copy and one (1) electronic copy contained in USB flash drive.

**Article A-5. Preparation and Delivery of Bids**

Details of bid opening time and place shall be specified in the Tentative Schedule.

**Article A-6. Availability of Bidding Documents**

Availability of Bidding Documents has been changed from CD-ROM to electronic files for download via link provided by EGAT.

**Channel of Documents Submission**

For channel of document submission in the hereunder Articles, facsimile and telex has been replaced with letters submitted electronically or electronic mails (E-mails).

- Article B-1. Preparation of Bids
- Article B-4. Validity of Bids
- Article D-9. Notices
- Article E-17. Documents Required for Each Shipment
- Article F-8. Payment

## **Article B-2. Bid Prices**

For Source of Supply and Service b., Prices for Equipment manufactured outside Thailand (imported Equipment) shall be firm, stated both on FOB Port of Shipment/Vessel and CFR Thai Port basis, and quoted in Thai baht, US dollar, euro, Japanese yen, renminbi (Chinese yuan), or in the Bidder's or Manufacturer's home currency only if his currency trading is prevailed at the time of bidding in any international market other than in Bidder's or Manufacturer's home country.

The following paragraph has also been added :-

“Prices for the following Equipment manufactured outside Thailand which was imported before the bid opening date shall be firm ex-works and quoted in Thai baht, provided that the Bidder shall submit any document(s) evidencing the importation date of such Equipment:

- Power Fuse
- Stationary Battery and Battery Charger
- Insulator for substation
- Cable Termination
- Compression Connector and Miscellaneous Hardware
- Bus Fittings
- Grounding Material
- Substation Miscellaneous”

## **Article E-16. Shipment**

The Maritime Promotion Bureau has been updated to the Maritime Promotion Division and its contact information has also been updated.

## **Article F-8. Payment**

After each payment is made, the Contractor or beneficiary shall issue and submit the receipt to EGAT as detailed in the paragraph added at the end of this article.

# DATA SHEET

for

## Invitation to Bid No. TIPE-CON-07

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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.

### **Provisions not Applicable**

All provisions and words related to Foreign Supply shall not apply to this Invitation to Bid/Enquiry.

### **Article A-1. Invitation**

According to the Industrial Product Standards Act B.E. 2511, the conductor is an industrial product which is required to conform with the Thai Industrial Standards – TIS 85-2548 and a juristic person who manufactures or imports for sale the conductor shall produce an evidence to a competent official (Thai Industrial Standards Institute) for inspection and receive a license from the Industrial Product Standards Council, Ministry of Industry.

### **Article B-2. Bid Prices**

#### Source of Supply and Service

Item d. shall be revised as follow:

- d. Prices for conductor tests quoted (if any) shall be firm.*
- e. All expenses incurred for the Work specified in Article F-1. Scope of Work shall be included in the quoted Bid Prices.

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

The amount of bid security shall be THB 4,150,000.-.

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

The validity of the bid shall be for one hundred and fifty (150) Days from the date specified for opening of bid.

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

Item m. is not applicable

The following documents shall be added to this Article:

- n. Proposed detailed design, fabrication, test and delivery schedule to meet the required delivery date.
- o. A license for manufacture or importation for sale of the Equipment issued by the Industrial Product Standards Council, Ministry of Industry to either the Bidder or the Supplier/Importer proposed by the Bidder for supply of the Equipment under this Invitation.

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

The evaluation of bid prices shall be on schedule basis.

Add item 6. in No. 4. “The prices to be used for evaluation and comparison purpose shall be as follows :”

***6. Cost of conductor tests including VAT, if any***

**Article C-1. Price Schedule**

The Contractor shall clearly identify whether he will furnish the conductors in wooden or metal reels in his proposal.

According to the Industrial Product Standards Act B.E. 2511, the conductor is an industrial product which is required to conform with the Thai Industrial Standards - TIS 85-2548 and the person who manufactures or imports for sale the conductor must produce an evidence to a competent official (Thai Industrial Standards Institute) for inspection and receive a license from the Industrial Product Standards Council, Ministry of Industry. Cost incurred in obtaining such license shall be borne by the Contractor

**Article C-2. Penalty for Equipment Not Meeting Guaranteed Characteristics**

This article shall be deleted from the bidding documents.

**Article C-5. Estimate of Deliveries**

This article shall be deleted from the bidding documents.

**Article E-14. Preparation for Shipment and/or Delivery**

Packing and shipping of conductor shall be in accordance with terms and conditions specified in the Specifications.

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

The Contractor shall guarantee the proper functioning of Equipment for a period of one (1) Year(s).

Defective Equipment to be replaced with the whole new set

None

**Article F-8. Payment**

Payment for Equipment shall be revised as follows:

**Foreign Supply**

Not applicable

**Local Supply**

Payment will be made directly to the Contractor by EGAT in the following manner:

- a. Payment for Equipment
  1. Eighty (80) per cent of the Contract Price will be paid on the basis of pro rata value of each delivery against presentation of the Contractor's statement or delivery order confirming the ex-works delivery of Equipment duly certified by EGAT's representative\*, EGAT's letter of approval for delivery and EGAT's letter of approval for test report\*\* of the relevant Equipment.

\*EGAT's representative means the authorized EGAT's Store personnel to verify the quantity of Equipment according to the packing list to be delivered to the Site

\*\*Test report means the report of tests specified in Article E-13. Inspection and Tests.
  2. Ten (10) per cent of the Contract Price of each item will be paid against presentation of Drawings and Documents Acceptance Certificate to be issued by EGAT to certify the receipt of all drawings and documents

required from the Contractor under Article F-11. Drawings and Documents to be Furnished by the Contractor *for such item, provided that payment shall not be made until EGAT has received from the Contractor the statement or delivery order and appertaining documents giving evidence of delivery of that item.*

3. Ten (10) per cent of the Contract Price of each item will be paid *after* the Equipment have been proved satisfactory and accepted by EGAT against presentation of Acceptance Certificate to be issued by EGAT and submission of maintenance security by the Contractor. *EGAT will list the minor pending claim(s), if any, and payment will be made by deducting such claimed amount.*

However, if through no fault of the Contractor or of the Equipment, such *acceptance is* delayed beyond a period of six (6) Months after complete ex-works delivery of same; payment of this ten (10) per cent will be made as soon as possible but not later than the ninth (9<sup>th</sup>) Month after complete ex-works delivery and it shall be deemed as if acceptance of Equipment is made by EGAT at the end of the said sixth (6<sup>th</sup>) Month and the one-year guarantee shall start therefrom against submission of maintenance security by the Contractor.

In case there are some minor claims or minor fault of the Contractor, the payment of this ten (10) per cent shall be made by deducting such claimed amount and the guarantee period of this part will start after such minor claim(s) has been settled by the Contractor and acceptance of which has been made by EGAT.

- b. Payment for Conductor Tests

One hundred (100) per cent of the cost of Conductor Tests will be paid after the tests have been performed successfully and the test reports have been approved by EGAT.

Item b. to e. (payment for spare parts, optional items, field test cost, and installation supervisor) shall not be applicable.

#### **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.

## **Article F-11. Drawings and Documents to be Furnished by the Contractor**

Article F-11. shall be revised as follows:

*EGAT reserves the right to require the Contractor to submit the drawings and documents listed below by the designated dates either by registered airmail for foreign mail and registered mail for local mail and/or by electronic files uploaded via document management system. However, cover letters shall be submitted in hard copy to EGAT.*

*For submission by electronic files uploaded via document management system, hard copy is not required.*

The Contractor shall submit **one (1) copy** of the following drawings and documents to EGAT for approval:

1. Certified test report along with test report of chemical composition of aluminum ingots furnished by the Contractor for fabrication of transmission line conductor.
2. Proposed procedure for each finished conductor test as specified in the Specification and diagram showing the test arrangement.
3. Quality Assurance Program
4. ***Test Reports of all finished conductor as specified in the Specification***
5. Detailed assembly drawings of reel showing dimensions including materials to be used and method of construction.

As soon as possible and not later than one (1) Month before delivery time of the conductors, the Contractor shall submit **one (1) copy** of all drawings, instruction books, test reports, reports of all finished conductor tests, including clear photographs of the test set-ups and all data of the conductors furnished under the Contract.

### **Fabrication and Delivery time**

Within one (1) Month after **confirmation of Letter of Award of Contract**, the Contractor shall submit to EGAT a detailed fabrication schedule to meet the delivery period. This schedule shall show key dates for design, production of drawing, fabrication and delivery of conductors.

During the various phase of design, fabrication and delivery, the Contractor shall submit a monthly progress report to EGAT to show in reasonable details the status of the Work.

### **Quality Assurance Program**

Within thirty (30) Days after *confirmation of Letter of Award of Contract*, the Contractor shall submit *one (1) copy* of his programs for quality assurance to EGAT for approval. The program shall include the details for controlling quality through process control, inspections, test control, the procedures for correcting possible production of non-conforming articles, his planned reports and quality assurance records.

### **Transportation to EGAT's Stores**

The Contractor shall be responsible for transportation of all the conductors, if required, to EGAT's stores as specified in this Contract. However, for local supply, EGAT reserves the right to accept the conductor on Ex-works basis; in such case the cost of transportation shall be deducted from the Contract Price.

The Contractor shall provide storage facilities for handling; if required, for any item of conductor delivered Ex-works for a period up to two (2) Months after the specified guaranteed date of Ex-works delivery.

**INVITATION TO BID NO. TIPE-CON-07**  
**SUPPLY OF TRANSMISSION LINE CONDUCTOR**  
**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN**  
**EASTERN 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 Transmission Line Conductor under Transmission System Improvement Project in Eastern 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 must have purchased the bidding documents from EGAT. For a joint venture or a 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.

- 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 Permanent Secretary, Ministry of Finance, 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**

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. The Bidder shall have sufficient capacity to carry out the Work.

- c. 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.
- d. The Bidder shall be a regular manufacturer or propose a regular manufacturer of the Equipment of the same or similar type as specified under this Invitation with a record of supply for a minimum of three (3) years.

However, a local manufacturer who does not have experience as specified above but has obtained special permission from EGAT for manufacture of the specific Equipment within the scope specified in the letter of permission issued by EGAT, or a local manufacturer who is in the list of Eligible Local Manufacturers Accepted by EGAT will be eligible to this requirement.

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

- e. The Bidder or the proposed manufacturer shall have set up a fabrication plant/factory in Thailand.
- f. The Bidder or the proposed manufacturer shall receive a license issued by the Industrial Product Standards Council, Ministry of Industry for manufacture of the Equipment.

#### **A-4. Joint Venture or Consortium**

In the event that the successful Bidder is a joint venture or a consortium formed of two or more companies, EGAT requires that the parties to the joint venture or the consortium accept joint and several liability for all obligations under the Contract.

#### **A-5. Preparation and Delivery of Bids**

Bids shall be prepared in accordance with the Instructions to Bidders contained in the Bidding Documents in one (1) original *hard copy and one (1) electronic copy contained in USB flash drive*, in English, on the bid forms included for this purpose and shall be accompanied with a bid security as required under Article B-3. Bid Security in a separate sealed envelope.

*For preparation of original hard copy, each page of the original hard copy shall be marked with the volume number and the page number in the lower right-hand corner, for example, Volume 1 of 10 and Page 1 of 100.*

*For preparation of electronic copy, each volume of the signed original hard copy shall be scanned into one (1) PDF file and each PDF file shall be named according to the volume number.*

*The USB flash drive shall contain electronic files of the proposal in the following formats :-*

- PDF files of all pages of each volume of the proposal, and*
- Excel files of filled-in Proposal Data, and*
- Excel files of filled-in Price Schedule*

*In the event of any discrepancy between the original hard copy and the electronic file(s), the original hard copy shall govern.*

The envelope of the bids will be marked in capital letters in the lower left-hand corner as follows :

**INVITATION TO BID NO. TIPE-CON-07  
SUPPLY OF TRANSMISSION LINE CONDUCTOR**

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN  
EASTERN REGION TO ENHANCE SYSTEM SECURITY**

and shall be addressed and delivered to :

International Procurement Department - Transmission Segment  
Procurement and Inventory Management Division  
Electricity Generating Authority of Thailand  
Bangkrui, Nonthaburi 11130  
Thailand

on or before 10:00 a.m., Bangkok Standard Time, .....*see Tentative Schedule*.....

If the envelope(s) is not sealed, marked and addressed as required above, EGAT will assume no responsibility for the bid misplacement or premature opening.

Bids will be opened publicly at the *place and* time specified *in Tentative Schedule*.

Bids received after the time stipulated herein shall be rejected and returned unopened.

**A-6. Availability of Bidding Documents**

The Bidding Documents are available for examination *and online purchase at <http://www4.egat.co.th/fprocurement/biddingeng/>* and can be obtained *by downloading via*

*link provided by EGAT* upon payment to EGAT, non-refundable, in the amount of USD..... or Baht 2,000.-..... These prices include the value added tax.

## **ELIGIBLE LOCAL MANUFACTURERS ACCEPTED BY EGAT**

The following local manufacturers are eligible for proposing each specific equipment for this Invitation; provided that the scope of their offerings shall be within that specified in the Certificate of Acceptance issued by EGAT.

### **1) STEEL TOWERS**

#### **Ajikawa & SCI Metal Tech Co., Ltd.**

49/1 Moo 9, Marppong  
Phantong  
Chonburi 20160  
Tel : 038 451 473-6  
Fax : 038 451 478

#### **Siam Steel Tower Co., Ltd.**

9/10 Moo 10 Tambol Koke-Yae  
Amphur Nong Khae  
Saraburi 18230, Thailand  
Tel : (662) 705-8755-63  
Fax : (662) 705-8765

#### **Thai-Scandic Steel Company Limited**

7 I-5 Road, Maptaphut Industrial Estate  
Amphur Muang  
Rayong 21150  
Tel : (66-38) 683070  
Fax : (66-38) 683065

#### **Sky Tower Public Company Limited**

247 Romklao Road  
Saensae  
Minburi, Bangkok 10510  
Thailand  
Tel : 662-543-9020-8  
Fax : 662-915-2114, 915-2714, 543-9029

#### **Demco Power Company Limited**

59 Moo 1, Suanphrikhai  
Muangpathumthani  
Pathumthani 12000  
Tel : 0 2959 5811 Ext.1612  
Fax : 0 2959 5915



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2) **HARDWARE ASSEMBLIES AND LINE ACCESSORIES FOR CONDUCTOR, OVERHEAD GROUND WIRE AND OPGW**

**Preformed Line Products (Thailand ) Ltd.**

296 Moo 4, Lardkrabang Industrial Estate  
EPZ 3 Chalongkrung Road  
Lumpratew, Lardkrabang  
Bangkok 10520  
Tel : 0 2739 4026  
Fax : 0 2326 0564

- (For 1. Hardware assemblies and line accessories (except damper) for single, twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines  
2. Hardware assemblies and line accessories (except damper) for overhead ground wire and OPGW  
3. Vibration dampers for conductor, overhead ground wire and OPGW  
4. Spacer dampers and rigid spacers for twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines)

**MacLean - Dulhunty Power (Thailand) Ltd.**

3/2 Moo 7 Suwintawong Road  
Tambon Klongluangphang  
Amphur Muang Chachoengsao  
Chachoengsao 24000  
Tel : 038 845 675  
Fax : 038 845 674

- (For 1. Hardware assemblies and line accessories (except damper) for single, twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines  
2. Hardware assemblies and line accessories (except damper) for overhead ground wire and OPGW  
3. Vibration dampers for conductor, overhead ground wire and OPGW  
4. Spacer dampers and rigid spacers for twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines)

**Mosdorfer (Thailand) Co., Ltd.**

10/96 The Trendy Building, 6<sup>th</sup> floor  
Soi Sukhumvit 13 (Sangjan)  
Klong Toey Nuea, Wattana  
Bangkok 10110  
Tel : 02 182 8351  
Fax : 02 182 8350

- (For 1. Hardware assemblies and line accessories (except damper) for single, twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines  
2. Hardware assemblies and line accessories (except damper) for overhead ground wire and OPGW



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3. Vibration dampers for conductor, overhead ground wire and OPGW
4. Spacer dampers and rigid spacers for twin-bundled and quad-bundled conductor for 115 kV, 230 kV and 500 kV transmission lines)

It shall be noted that the spacer damper for quad-bundled conductor for 500 kV transmission line is allowed to be initially supplied to only one contract. Any further contracts shall be allowed after the said Equipment under the first contract has been certified by a certification issued by EGAT for its successful operation in EGAT's transmission line for an appropriate period of time.

### 3) **OVERHEAD GROUND WIRE**

#### **Thai Wire Products Public Company Limited**

99/2 MOO 8 ZEER STREET BUILDING 7TH FL  
Phahonyothin Road, Lamlookka  
Pathum Thani 12130  
Tel : 0 2992 6863-7  
Fax : 0 2992 6870-1

#### **USHA Siam Steel Industries Public Company Limited**

209/1 K-Tower-B. 22<sup>nd</sup> Floor  
Unit 3/1 Sukhumvit 21 Road (Asok)  
Bangkok 10110  
Tel : 0 2261 7361-4  
Fax : 0 2640 8227

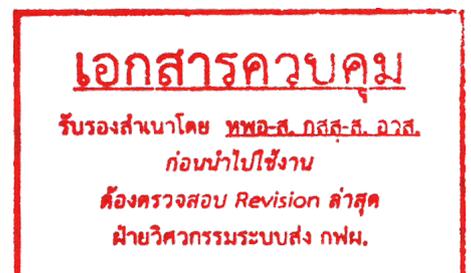
#### **Charoong Thai Wire & Cable Public Company Limited**

589/71 Central City Tower  
Floor 12A, Bangna -Trad Road  
Bangna, Bangna District  
Bangkok 10260  
Tel : 0 2745 6118  
Fax : 0 2745 6131-32

### 4) **GROUNDING MATERIALS**

#### **K.M.L. Technology Co., Ltd.**

100/3 Thasabansongkrow Road  
Ladyao, Jatujak  
Bangkok 10900  
Tel : 0 2954 3455  
Fax : 0 2591 7891



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**G.K. Assembly Co., Ltd.**

110/9-10 Moo 2  
Maha Sawat, Bang Kruai District  
Nonthaburi 11130  
Tel : 0 2985 2250-3  
Fax. 0 2985 1910

5) **CONDUCTOR**

**Bangkok Cable Co., Ltd.**

187/1 Rajdamri Road  
Lumpinee, Pathumwan  
Bangkok 10330  
Tel : 0 2254 4550-6  
Fax : 0 2253 5973, 0 2253 6028, 0 2254 3859

**Charoong Thai Wire & Cable Public Company Limited**

589/71 Central City Tower  
Floor 12A, Bangna -Trad Road  
Bangna, Bangna District  
Bangkok 10260  
Tel : 0 2745 6118  
Fax : 0 2745 6131-32

**Phelps Dodge International (Thailand) Limited**

16<sup>th</sup> Floor, Maneeya Center Building  
518/5 Ploenchit Road  
Lumpinee, Pathumwan  
Bangkok 10330  
Tel : 0 2652 0588, 0 2680 5862  
Fax : 0 2680 5896

**Thai-Yazaki Electric Wire Co., Ltd.**

21<sup>st</sup> Floor, O-NES Tower,  
6 Sukhumvit Soi 6  
Klongtoey Sub-District  
Klongtoey District  
Bangkok 10110  
Tel : 0 2653 2550  
Fax : 0 2653 2613-14



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**Venine Cable Electric Wire Company Limited**

88/8-9 Moo 2 Ladbualuang-Maitra Rd.  
Ladbualuang, Ladbualuang  
Ayutthaya 13230  
Tel : 0 3528 0493  
Fax : 0 3528 0494

**Fuhrer Wire and Cable Co., Ltd.**

70 Moo 2, Bankao-Panthong Road  
Panthong  
Chonburi 20160  
Tel : 0 3845 2906-7  
Fax : 0 3845 2899  
(For manufacturing of Transmission Line Conductor up to 230 kV)

6) **NON-METALLIC OPTICAL FIBER CABLE (OFC)**

**Thai China Fiber Optics Co., Ltd.**

488 Soi Ratchadapisek 26,  
Samsenog, Huaykwang,  
Bangkok 10310  
Tel : 0 2975 9901  
Fax : 0 2975 9925

**Thai Fiber Optics Co., Ltd.**

233 Moo 6, Soi Watchangrueng,  
Suksawat Road,  
Naiklongbangplakot, Phrasamutchedi,  
Samutprakarn 10290  
Tel : 0 2817 5590-3  
Fax : 0 2817 5311

**HBC Telecom Co., Ltd.**

187/1 Rajadamri Road,  
Lumpinee, Pathumwan  
Bangkok 10330  
Tel : 0 2650 5002 To 3 Ext.111,112  
Fax : 0 2651 9261

**Siam Fiber Optics Co., Ltd.**

Floor 12 A, Central City Tower  
589/71 Bangna-Trad Road, Km.3  
Bangna, Bangna,  
Bangkok 10260  
Tel : 0 2745 6118-30  
Fax : 0 2745 6575



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7) **CROSS-LINKED POLYETHYLENE (XLPE) CABLE**

**Phelps Dodge International (Thailand) Limited**

16th Floor, Maneeya Center Building  
518/5 Ploenchit Road  
Lumpinee, Pathumwan  
Bangkok 10330  
Tel : 0 2652 0588, 0 2680 5862  
Fax : 0 2680 5896

(For 230 kV Underground Transmission Line with XLPE Cable)

It shall be noted that the 230 kV XLPE Cable is allowed to be supplied to only one contract at the first stage. Any further contracts shall be allowed after the said Equipment under the first contract is certified by a certification letter issued by EGAT that it has been provided at least one (1) year successful operation in EGAT system.

Bid No. TIPE-CON-01



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