

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 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 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.

Registration Form

Invitation to Bid No. TIWS-RX-06 and TIPN-RX-02

Supply of 55 Mvar 500 kV Shunt Reactor

Transmission System Improvement Project in Western and Southern Regions
to Enhance System Security

Transmission System Improvement Project in Upper Northern Region
to Enhance System Security

Available Duration for Purchasing : April 1, 2024 - May 3, 2024

Price of Bidding Documents : USD 170.- or THB 5,000.-

Instructions

- 1) Fill out this Registration Form in English 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.
- 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 :			
Contact Information of In-charge Officer			
Name	Mr. Pasakorn Piyathamrongrat		
Email address	pasakorn.piy@egat.co.th		
Telephone No.	66 2436 0348		
Mobile No.	668 4008 3231		



Invitation to Bid No. TIWS-RX-06 and TIPN-RX-02

(Revision 1)

**Supply of 55 Mvar 500 kV Shunt Reactor
Transmission System Improvement Project in Western and Southern Regions
to Enhance System Security
Transmission System Improvement Project in Upper Northern 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

Medium Cost (including Value Added Tax and other expenses) : THB 542,000,000.00.-

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 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

Bidding Documents are available for online purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from April 1, 2024 to May 3, 2024 at USD 170.- or THB 5,000.- 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. 66 2436 0341 or procurement.tse@egat.co.th.

Delivery of Bids

Bid Opening Date is postponed from May 16, 2024 to May 30, 2024. Bids shall be submitted at Bidding Room, 1st Floor, Tor 082 Building during 09:30 hrs. to 10:00 hrs., Bangkok Standard Time, and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

May 9, 2024

(Miss Chattiya Chandhanayingyong)

Chief,

International Procurement Department - Transmission Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
เรื่อง ประกวดราคาซื้อ เลขที่ TIWS-RX-06 and TIPN-RX-02

(ฉบับแก้ไข ครั้งที่ 1)

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ 55 Mvar 500 kV Shunt Reactor สำหรับโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันตกและภาคใต้เพื่อเสริมความมั่นคงระบบไฟฟ้า และโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคเหนือตอนบนเพื่อเสริมความมั่นคงระบบไฟฟ้า โดยใช้งบประมาณ กฟผ.

สถานที่ส่งมอบ : ท่าเรือแหลมฉบัง

ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่น ๆ) : 542,000,000.00 บาท

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุตามประกาศ และต้องไม่เป็นผู้ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ 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 ตัวแทน หรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
4. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
5. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อซื้อเอกสารประกวดราคา ในราคาชุดละ 5,000.- บาท ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 1 เมษายน 2567 ถึงวันที่ 3 พฤษภาคม 2567 ทั้งนี้ สามารถดูรายละเอียดการซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng/> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0341 หรืออีเมล procurement.tse@egat.co.th

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา เลื่อนจากวันที่ 16 พฤษภาคม 2567 เป็นวันที่ 30 พฤษภาคม 2567 เวลา 09:30 น. ถึง 10:00 น. และเปิดซองประกวดราคาเวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 อาคารฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ ท.082 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศแก้ไข ณ วันที่ 9 พฤษภาคม 2567

(นางสาวฉัตติยา จันทนยิ่งยง)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

**ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีช่างงานก่อสร้าง**

1. **ชื่อโครงการ** Bid No. TIWS-RX-06 and TIPN-RX-02
การจัดซื้อ 55 Mvar 500 kV Shunt Reactor
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันตกและภาคใต้เพื่อเสริมความมั่นคงระบบไฟฟ้า
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคเหนือตอนบนเพื่อเสริมความมั่นคงระบบไฟฟ้า
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
2. **วงเงินงบประมาณที่ได้รับจัดสรร**
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันตกและภาคใต้เพื่อเสริมความมั่นคงระบบไฟฟ้า
งบประมาณ 63,200 ล้านบาท
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคเหนือตอนบนเพื่อเสริมความมั่นคงระบบไฟฟ้า
งบประมาณ 12,240 ล้านบาท
3. **วันที่กำหนดราคากลาง** 14 กุมภาพันธ์ 2567 (วันที่ ชสพ. ทำการแทน รวส. อนุมัติ)
ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 542,000,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ
4. **แหล่งที่มาของราคากลาง**
หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานระบบส่ง
5. **รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง**
 - 5.1 นายฉัตรชัย เชาวนาธิคม หมฟ-ส. กวอ-ส.
 - 5.2 นายณัฐ วงศ์เทพวณิชย์ วศ.7 กวอ-ส.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อกรขาเข้า เป็นต้น

นางสาวกนก
นางสาวกนก ผู้จัดทำ
นชคส-ท.
- 1 เม.ย. 2567

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

SUMMARY OF BID PRICE

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Foreign Currency (excluding VAT) Amount
			CFR Thai Port	
			Amount	
1	TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY	THB	469,206,000.00	1,956,000.00
2	TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN REGION TO ENHANCE SYSTEM SECURITY	THB	31,282,400.00	652,000.00
BID PRICE		THB	500,488,400.00	2,608,000.00
IMPORT DUTY (0% for Reactor, 10% for Other)		THB	232,840.00	
CUSTOM CLEARANCE (0.6%)		THB	3,002,930.40	
VAT (7%)		THB	35,050,486.80	182,560.00
SUMMARY OF BID PRICE		THB	538,774,657.20	2,790,560.00
TOTAL MEDIUM COST		THB		541,565,217.20
TOTAL MEDIUM COST (ROUND)		THB		542,000,000.00

นางสาวกานต์ชนก ผู้ประสานงาน
พชคส.น.

นายประวิทย์ เลิศโกวิท
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Schedule A1 : 500 kV Shunt Reactor

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Foreign Currency
					Foreign Supply				
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		
					Unit Price	Unit Price	Unit Price	Amount	
A1-1	55 MVAR, 525 kV, single phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX9612 (Bus Shunt Reactor)	3		THB	45,200,000.00		45,200,000.00	135,600,000.00	XXXXX
A1-2	55 MVAR, 525 kV, single phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX9612 (Line Shunt Reactor)	3		THB	45,200,000.00		45,200,000.00	135,600,000.00	XXXXX
A1-3	55 MVAR, 525 kV, single phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX9612 (Line Shunt Reactor)	3		THB	45,200,000.00		45,200,000.00	135,600,000.00	XXXXX
A1-4	55 MVAR, 525 kV, single phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX9612, Supply as spare unit of Item No. A1-2 and A1-3	1		THB	45,200,000.00		45,200,000.00	45,200,000.00	XXXXX
A1-5	1.287 MVAR, 138 kV, 650 kV BIL, neutral reactor to connect with shunt reactor complete with tank mounted surge arrester, insulating oil and accessories as per Ratings and Features RF RX7812 (Connect with Item No.A1-2)	1		THB	7,480,000.00		7,480,000.00	7,480,000.00	XXXXX

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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Schedule A1 : 500 kV Shunt Reactor

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Foreign Currency
					Foreign Supply				
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		
					Unit Price	Unit Price	Unit Price	Amount	
A1-6	1.287 MVAR, 138 kV, 650 kV BIL, neutral reactor to connect with shunt reactor complete with tank mounted surge arrester, insulating oil and accessories as per Ratings and Features RF RX7812 (Connect with Item No.A1-3)	1		THB	7,480,000.00		7,480,000.00	7,480,000.00	XXXXX
A1-7	Common control cabinet as per specification no.382 for item no.A1-1	1		THB	666,000.00		666,000.00	666,000.00	XXXXX
A1-8	Common control cabinet as per specification no.382 for item no.A1-2	1		THB	666,000.00		666,000.00	666,000.00	XXXXX
A1-9	Common control cabinet as per specification no.382 for item no.A1-3	1		THB	666,000.00		666,000.00	666,000.00	XXXXX
A1-10	Complete Set of one or two units of each type and each size of auxiliary relay and contactor (two units are required where five units or more of each type and each size are provided per one reactor (bank)), Supply as spare parts of Item No. A1-1.	1		THB	82,800.00		82,800.00	82,800.00	XXXXX
A1-11	Complete Set of one or two units of each type and each size of auxiliary relay and contactor (two units are required where five units or more of each type and each size are provided per one reactor (bank)), Supply as spare parts of Item No. A1-2 and A1-3.	1		THB	82,800.00		82,800.00	82,800.00	XXXXX

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14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Schedule A1 : 500 kV Shunt Reactor

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Foreign Currency
					Foreign Supply				
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		
					Unit Price	Unit Price	Unit Price	Amount	
A1-12	Complete Set of one or two units of each type and each size of auxiliary relay and contactor (two units are required where five units or more of each type and each size are provided per one reactor), Supply as spare parts of Item No. A1-5 and A1-6.	1		THB	82,400.00		82,400.00	82,400.00	XXXXX
A1-13	Cost of installation supervisor for Item No. A1-1	3	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	489,000.00
A1-14	Cost of installation supervisor for Item No. A1-2	3	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	489,000.00
A1-15	Cost of installation supervisor for Item No. A1-3	3	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	489,000.00
A1-16	Cost of installation supervisor for Item No. A1-4	1	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	163,000.00
A1-17	Cost of installation supervisor for Item No. A1-5	1	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	163,000.00
A1-18	Cost of installation supervisor for Item No. A1-6	1	Man-Day	THB	XXXXX	XXXXX	XXXXX	XXXXX	163,000.00
	Equipment which shall be used together as a complete set referring to Article relevant to Liquidated Damages for Late Delivery of Equipment are item no. A1-1 with A1-7, A1-2 with A1-5, A1-8 and A1-3 with A1-6, A1-9								
Total Price for Schedule A1				THB	469,206,000.00				1,956,000.00

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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Breakdown Price for Item No. A1-1 thru A1-6

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Currency	Supply of Equipment			
			Foreign Supply			
			FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port	
			Unit Price	Unit Price	Unit Price	Amount
1	Unit price of 55 MVAR, 525 kV, single phase shunt reactor complete with accessories as per Ratings and Features RF RX9612 (Bus Shunt Reactor)	THB	42,940,000.00		42,940,000.00	42,940,000.00
2	Price of Insulating Oil for using in one (1) unit of reactor under Item No. 1 (Bus Shunt Reactor)	THB	2,260,000.00		2,260,000.00	2,260,000.00
3	Unit price of 55 MVAR, 525 kV, single phase shunt reactor complete with accessories as per Ratings and Features RF RX9612 (Line Shunt Reactor)	THB	42,940,000.00		42,940,000.00	42,940,000.00
4	Price of Insulating Oil for using in one (1) unit of reactor under Item No. 3 (Line Shunt Reactor)	THB	2,260,000.00		2,260,000.00	2,260,000.00
5	Unit price of 1.287 MVAR, 138 kV, neutral reactor complete with accessories as per Ratings and Features RF RX7812	THB	7,106,000.00		7,106,000.00	7,106,000.00
6	Price of Insulating Oil for using in one (1) unit of reactor under Item No. 5	THB	374,000.00		374,000.00	374,000.00

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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02


Service of Installation Supervisor (Schedule A1)

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Foreign Currency	
					Unit Price	Amount
A1-13	Cost of installation supervisor for Item No. A1-1	3	Man-Day	THB	163,000.00	489,000.00
A1-14	Cost of installation supervisor for Item No. A1-2	3	Man-Day	THB	163,000.00	489,000.00
A1-15	Cost of installation supervisor for Item No. A1-3	3	Man-Day	THB	163,000.00	489,000.00
A1-16	Cost of installation supervisor for Item No. A1-4	1	Man-Day	THB	163,000.00	163,000.00
A1-17	Cost of installation supervisor for Item No. A1-5	1	Man-Day	THB	163,000.00	163,000.00
A1-18	Cost of installation supervisor for Item No. A1-6	1	Man-Day	THB	163,000.00	163,000.00

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14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Service of Installation Supervisor (Schedule A1)

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Foreign Currency	
					Unit Price	Amount

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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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

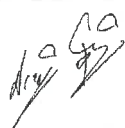
Schedule B1 : Neutral Reactor

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Foreign Currency	
					Foreign Supply					
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port			
					Unit Price	Unit Price	Unit Price	Amount		Amount
B1-1	1.556 MVAR, 110 kV, 650 kV BIL, neutral reactor to connect with shunt reactor complete with tank mounted surge arrester, insulating oil and accessories as per Ratings and Features RF RX7813	4		THB	7,800,000.00		7,800,000.00	31,200,000.00	XXXXXX	
B1-2	Complete Set of one or two units of each type and each size of auxiliary relay and contactor (two units are required where five units or more of each type and each size are provided per one reactor), Supply as spare parts of Item No. B1-1	1		THB	82,400.00		82,400.00	82,400.00	XXXXXX	
B1-3	Cost of installation supervisor for Item No.B1-1	4	Man-Day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	652,000.00	
				THB					31,282,400.00	652,000.00
Total Price for Schedule B1										

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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Breakdown Price for Item No. B1-1

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Currency	Supply of Equipment			
			Foreign Supply			
			FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port	
			Unit Price	Unit Price	Unit Price	Amount
1	Unit price of 1.556 MVAR, 110 kV, neutral reactor complete with accessories as per Ratings and Features RF RX7813	THB	7,410,000.00		7,410,000.00	7,410,000.00
2	Price of Insulating Oil for using in one (1) unit of reactor under Item No. 1	THB	390,000.00		390,000.00	390,000.00

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 14 Feb 2024

MEDIUM COST FOR BID NO. TIWS-RX-06 and TIPN-RX-02

Service of Installation Supervisor (Schedule B1)

SUPPLY OF 55 MVAR 500 KV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Currency	Foreign Currency	
					Unit Price	Amount
B1-3	Cost of installation supervisor for Item No. B1-1	4	Man-Day	THB	163,000.00	652,000.00

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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[Signature]
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ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
14 Feb 2024

Important Information
for
Invitation to Bid No. TIWS-RX-06 and TIPN-RX-02

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:

Additional Regulation

Information to be submitted with Bid as required in Item 3.2 has been revised.

The following paragraph in Remarks Item 4. of page 11 of Additional Regulation has been deleted :-

“In case that any Major Shareholder(s) of the Bidder is (are) juristic person(s), and such juristic person(s) has (have) Major Shareholder(s) who is (are) juristic person(s), the Bidder shall submit the list of the Major Shareholder(s)/ the Names of Manager/ Managing Partner/ Managing Director/ Executive/ Person Who Is Authorized to Manage the Business/ Partner/ Partner with Unlimited Liability/ of such juristic person(s) as per page 10-11 of this Additional Regulation. The requirement of submission of list of the Major Shareholder(s)/ the Names of Manager/ Managing Partner/ Managing Director/ Executive/ Person Who Is Authorized to Manage the Business/ Partner/ Partner with Unlimited Liability/ of such juristic person(s) shall apply to 2 tiers of Major Shareholder(s) who is(are) juristic person(s).”

Article A-2. Eligibility of Bidders: General Requirements and Article B-8. Information to be Submitted with Bid

Bidders shall provide written anti-corruption policies and guidelines as specified in Data Sheet.

Article B-3. Bid Security

Terms and conditions regarding the forms of bid security have been revised.

Article B-12. Evaluation and Comparison of Bids

The calculated insurance premium to be used for evaluation and comparison purpose has been revised from 0.0554% to **0.072%**.

Article E-12. Performance Security and Specimen of Guarantee

Terms and conditions regarding the forms and the amount of performance security have been revised.

Article E-13. Inspection and Tests

Terms and conditions regarding inspection and tests have been revised.

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

Details in the table of Instructions for Packaging at the end of Section E have been revised.

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

Terms and conditions regarding EGAT's document management system have been added and the number of copies of the drawings and documents in Print and CD-ROM in the tables of Drawings and Documents to be Furnished by the Contractor (For Control and Protection Equipment) and of Drawings and Documents to be Furnished by the Contractor (For All Equipment except Control and Protection Equipment) at the end of section F have been revised.

Article F-12. Maintenance Security and Specimen of Maintenance Guarantee

Terms and conditions regarding the forms and the amount of maintenance security have been revised.

DATA SHEET

for

Invitation to Bid No. TIWS-RX-06 and TIPN-RX-02

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 Local Supply shall not apply to this Invitation to Bid.

Article A-2. Eligibility of Bidders: General Requirements

The following requirement shall be added to this Article:

- m. Bidders 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).*

Article B-3. Bid Security

The amount of bid security shall be USD 660,760.- or THB 23,760,000.-.

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

The following document shall be added to this Article:

- n. Bidder's anti-corruption policies and guidelines in relation to procurement and supplies together with the completely filled out Anti-Corruption Compliance Checklist as provided.*

Article B-12. Evaluation and Comparison of Bids:

The evaluation of bid prices shall be on a combination of all schedules 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

For 500 kV Shunt Reactor, 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.

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

The payment as liquidated damages for late delivery of Spare Equipment shall be one-tenth of one (0.10) per cent of the price of each item of Spare Equipment not timely delivered for each Day of delay.

INVITATION TO BID NO. TIWS-RX-06 and TIPN-RX-02
SUPPLY OF 55 Mvar 500 kV SHUNT REACTOR
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND
SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN
REGION TO ENHANCE SYSTEM SECURITY

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of 55 Mvar 500 kV Shunt Reactor under Transmission System Improvement Project in Western and Southern Regions to Enhance System Security and Transmission System Improvement Project in Upper Northern 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

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 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 Equipment of the type and ratings proposed.

5. Having minimum experience in manufacturing of the following reactors with the minimum BIL rating of winding of 1425 kV with at least five consecutive years of successful operation/use in overseas (not his own country). A combination of three-phase reactors and reactor banks can be considered.

5.1 Five units of three-phase reactor having the minimum capacity of 100 MVAR

OR

5.2 Five reactor banks (each bank comprises three single-phase reactors) with the minimum capacity of each bank not less than 100 MVAR

6. 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.

II. All Bidders should preferably meet the following technical requirements; failure to so comply may constitute sufficient ground for rejection.

- a. Proposing the Equipment from the manufacturer having a certificate indicating that his system has been satisfactorily developed and implemented conforming to ISO 9001.

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 and three (3) hard copies in English, on the bid forms included for this purpose and shall be accompanied with a bid security as required under the Article pertaining to Bid Security in Section B. Instructions to Bidders. The bid security will be placed in a separate sealed envelope.

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

INVITATION TO BID NO. TIWS-RX-06 and TIPN-RX-02

SUPPLY OF 55 Mvar 500 kV SHUNT REACTOR

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN WESTERN AND
SOUTHERN REGIONS TO ENHANCE SYSTEM SECURITY**

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN UPPER NORTHERN
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 **Bidding Room, 1st floor, Tor 082 Building** and at the time specified above.

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

A-6. Availability of Bidding Documents

The Bidding Documents in CD-ROM are available for examination and can be obtained from EGAT at the hereunder address upon payment to EGAT, non-refundable, in the amount of USD 170.- or Baht 5,000.-. These prices include the value added tax.

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