

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) Fill-out the Registration Form and upload the proof of payment via the link provided in <https://www4.egat.co.th/fprocurement/biddingeng>

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.

- 2) The registration will be deemed complete only upon successful processing of the payment and confirmation of funds received.
- 3) 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.



Invitation to Bid No. NPUP-RX-01

Supply of 110 Mvar and 55 Mvar 500 kV Shunt Reactors

Transmission System Development in the area of Nan Phrae and Uttaradit provinces for Power Purchase from Lao PDR Projects

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 846,000,000.-

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 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 November 28, 2025 to January 12, 2026 at USD 270.- or THB 8,000.- per copy, non-refundable.

Please find more details for online purchasing process at <https://www4.egat.co.th/fprocurement/biddingeng> or contact for further information at telephone no. 66 2436 0345 or procurement.tse@egat.co.th.

Delivery of Bids

Bids shall be submitted at Bidding Room, 1st Floor, Tor 137 Building at EGAT's Head Office, Nonthaburi during 9:00 hrs. to 10:00 hrs., Bangkok Standard Time, January 27, 2026 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

November 28, 2025

Kannika Dhachalapat

(Mrs. Kannika Dhachalapat)

Chief, Procurement Department – Transmission System Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เรื่อง ประกวดราคาซื้อ เลขที่ NPUP-RX-01

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ 110 Mvar and 55 Mvar 500 kV Shunt Reactors สำหรับโครงการพัฒนาระบบส่งไฟฟ้าบริเวณจังหวัด น่าน แพร่ และ อุตรดิตถ์ เพื่อรับซื้อไฟฟ้าจากโครงการใน สปป.ลาว โดยใช้งบประมาณ กฟผ.

สถานที่ส่งมอบ : ท่าเรือแหลมฉบัง

ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) : 846,000,000.- บาท

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุตามประกาศและต้องไม่เป็นผู้ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ 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. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อซื้อเอกสารประกวดราคา ในราคาชุดละ 8,000.- บาท ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 28 พฤศจิกายน 2568 ถึงวันที่ 12 มกราคม 2569 ทั้งนี้ สามารถดูรายละเอียดการซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <https://www4.egat.co.th/fprocurement/biddingeng> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0345 หรือ อีเมล procurement.tse@egat.co.th

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา ในวันที่ 27 มกราคม 2569 เวลา 09:00 น. ถึง 10:00 น. และเปิดซองประกวดราคา เวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 อาคาร ท.137 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 28 พฤศจิกายน 2568

กรรณิกา ธวัลย์

(นางกรรณิกา ธวัลย์)

หัวหน้ากองจัดซื้อจัดจ้างสายงานระบบส่ง

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ Bid No. NPUP-RX-01

การจัดซื้อ 110 Mvar and 55 Mvar 500 kV Shunt Reactors

โครงการพัฒนาระบบส่งไฟฟ้าบริเวณจังหวัด น่าน แพร่ และ อุตรดิตถ์

เพื่อรับซื้อไฟฟ้าจากโครงการใน สปป.ลาว

/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการพัฒนาระบบส่งไฟฟ้าบริเวณจังหวัด น่าน แพร่ และ อุตรดิตถ์

เพื่อรับซื้อไฟฟ้าจากโครงการใน สปป.ลาว งบประมาณ 26,220 ล้านบาท

3. วันที่กำหนดราคากลาง 5 พฤศจิกายน 2568 (วันที่ รวร. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 846,000,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ

4. แหล่งที่มาของราคากลาง

หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานพัฒนาระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

5.1 นายณัฐ วงศ์เทพวาณิชย์ หมพ-ร. กวอ-ร.

5.2 นางสาวณัฐนิชา เพชรรักษ์ วศ.4 หมพ-ร. กวอ-ร.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้

ในเอกสารประกวดราคา เช่น อกรขาเข้า เป็นต้น

MEDIUM COST FOR BID NO. NPUP-RX-01

SUMMARY OF BID PRICE

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

No.	Description	Currency	Supply of Equipment	Foreign Currency (excluding VAT)
			Foreign Supply	
			CFR Thai Port	
			Amount	
1	Schedule 1 : 500 kV Shunt Reactor	THB	756,855,000.00	9,552,000.00
BID PRICE		THB	756,855,000.00	9,552,000.00
IMPORT DUTY (0% and 10%)		THB	19,822,100.00	
CUSTOM CLEARANCE (0.6%)		THB	4,541,130.00	
VAT		THB	54,367,397.00	668,640.00
SUMMARY OF BID PRICE		THB	835,585,627.00	10,220,640.00
TOTAL MEDIUM COST		THB	845,806,267.00	
TOTAL MEDIUM COST (ROUND)		THB	846,000,000.00	

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-1	For Nan Substation (NA) 55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX
1-2	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-1)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-3	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-1 thru 1-2	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-4	55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX



นายสมชัย เจริญศรีเกษม

ผู้ช่วยผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง - 1
 ทำการแทน ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
 05 Nov 2025

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-5	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-4)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-6	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-4 thru 1-5	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-7	55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX
1-8	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-7)	1		THB	8,950,000.00	8,950,000.00	XXXXX



นายสมชัย เจริญศรีเกษม
 ผู้ช่วยผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง - 1
 ทำการแทน ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
 05 Nov 2025

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-9	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-7 thru 1-8	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-10	55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX
1-11	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-10)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-12	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-10 thru 1-11	1		THB	7,553,000.00	7,553,000.00	XXXXX

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-13	1 Set of Rack45U Cabinet including equipment, hardware and software as per specification no.103 for Item No. 1-3, 1-6, 1-9 and 1-12	1		THB	1,108,000.00	1,108,000.00	XXXXX
1-14	For Denchai Substation (DC) 110 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX951A	1		THB	82,700,000.00	82,700,000.00	XXXXX
1-15	0.946 Mvar, 145 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 RX781B (Connect with Item No. 1-14)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-16	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-14 thru 1-15	1		THB	7,553,000.00	7,553,000.00	XXXXX



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 ผู้ช่วยผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง - 1
 ทำการแทน ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
 05 Nov 2025

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-17	110 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX951A	1		THB	82,700,000.00	82,700,000.00	XXXXX
1-18	0.946 Mvar, 145 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 RX781B (Connect with Item No. 1-17)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-19	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-17 thru 1-18	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-20	55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-21	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-20)	1		THB	8,950,000.00	8,950,000.00	XXXXX
1-22	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-20 thru 1-21	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-23	55 Mvar, 525 kV, three-phase shunt reactor complete with insulating oil and accessories as per Ratings and Features RF RX941A	1		THB	65,500,000.00	65,500,000.00	XXXXX
1-24	0.681 Mvar, 123 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 RX781A (Connect with Item No. 1-23)	1		THB	8,950,000.00	8,950,000.00	XXXXX



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 ทำการแทน ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
 05 Nov 2025

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-25	On-Line Monitoring Device (Complete Set) including Switchyard Cabinet and fiber optic and etc. as per Ratings and Features RF OLM1002 for shunt reactor and neutral reactor for Item No. 1-23 thru 1-24	1		THB	7,553,000.00	7,553,000.00	XXXXX
1-26	1 Set of Rack45U Cabinet including equipment, hardware and software as per specification no.103 for Item No. 1-16, 1-19, 1-22 and 1-25	1		THB	1,108,000.00	1,108,000.00	XXXXX
1-27	0.946 Mvar, 145 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 RX781B	2		THB	8,950,000.00	17,900,000.00	XXXXX
1-28	0.946 Mvar, 145 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 RX781B	4		THB	8,950,000.00	35,800,000.00	XXXXX

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-29	Spare parts for Item No. 1-1, 1-4, 1-7, 1-10, 1-20 and 1-23	lot		THB	5,787,200.00	5,787,200.00	XXXXX
							XXXXX
							XXXXX
							XXXXX
1-30	Spare parts for Item No. 1-2, 1-5, 1-8, 1-11, 1-21 and 1-24	lot		THB	871,000.00	871,000.00	XXXXX
							XXXXX
							XXXXX
							XXXXX
1-31	Spare parts for Item No. 1-14 and 1-17	lot		THB	2,893,600.00	2,893,600.00	XXXXX
							XXXXX
							XXXXX
							XXXXX
1-32	Spare parts for Item No. 1-15, 1-18, 1-27 and 1-28	lot		THB	963,200.00	963,200.00	XXXXX
							XXXXX
							XXXXX
							XXXXX

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-33	Cost of installation supervisor for Item No. 1-1 and 1-2		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-34	Cost of installation supervisor for Item No. 1-3		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-35	Cost of installation supervisor for Item No. 1-4 and 1-5		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-36	Cost of installation supervisor for Item No. 1-6		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-37	Cost of installation supervisor for Item No. 1-7 and 1-8		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-38	Cost of installation supervisor for Item No. 1-9		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-39	Cost of installation supervisor for Item No. 1-10 and 1-11		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-40	Cost of installation supervisor for Item No. 1-12		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-41	Cost of installation supervisor for Item No. 1-13		Man-Day	THB	XXXXX	XXXXX	Included
1-42	Cost of installation supervisor for Item No. 1-14 and 1-15		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-43	Cost of installation supervisor for Item No. 1-16		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-44	Cost of installation supervisor for Item No. 1-17 and 1-18		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-45	Cost of installation supervisor for Item No. 1-19		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-46	Cost of installation supervisor for Item No. 1-20 and 1-21		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-47	Cost of installation supervisor for Item No. 1-22		Man-Day	THB	XXXXX	XXXXX	484,000.00
1-48	Cost of installation supervisor for Item No. 1-23 and 1-24		Man-Day	THB	XXXXX	XXXXX	575,000.00
1-49	Cost of installation supervisor for Item No. 1-25		Man-Day	THB	XXXXX	XXXXX	484,000.00

MEDIUM COST FOR BID NO. NPUP-RX-01

Schedule 1 : 500 kV Shunt Reactor

SUPPLY OF 110 MVAR AND 55 MVAR 500 KV SHUNT REACTORS

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Foreign Currency (excluding VAT)
					Foreign Supply		
					CFR Thai Port		
					Unit Price	Amount	Amount
1-50	Cost of installation supervisor for Item No. 1-26		Man-Day	THB	XXXXXX	XXXXXX	Included
1-51	Cost of installation supervisor for Item No. 1-27		Man-Day	THB	XXXXXX	XXXXXX	360,000.00
1-52	Cost of installation supervisor for Item No. 1-28		Man-Day	THB	XXXXXX	XXXXXX	720,000.00
	- 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. 1-2, 1-3, 1-13 with 1-1 and 1-5, 1-6 with 1-4 and 1-8, 1-9 with 1-7 and 1-11, 1-12 with 1-10 and 1-15, 1-16 with 1-14 and 1-18, 1-19 with 1-17 and 1-21, 1-22, 1-26 with 1-20 and 1-24, 1-25 with 1-23						
Total Price for Schedule 1				THB	756,855,000.00		9,552,000.00

Important Information
for
Invitation to Bid No. NPUP-RX-01

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-2. Eligibility of Bidders: General Requirements

According to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017), the article has been revised as per Data Sheet.

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 B-8. Information to be Submitted with Bid

According to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017), the article has been revised as per Data Sheet.

Article E-14. Preparation for Delivery

The Instructions for Packaging attached at the end of Section E. General Conditions has been revised in item 8. Shunt Capacitor Bank.

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.

According to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017), the article has been revised as per Data Sheet.

DATA SHEET

for

Invitation to Bid No. NPUP-RX-01

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 minimum standards of the policy and directions for anti-corruption in relation to procurement together with supporting evidence pursuant to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017).*

Article B-3. Bid Security

The amount of bid security shall be USD 1,283,480.- or THB 42,300,000.-.

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. Bidder’s minimum standards of the policy and directions for anti-corruption in relation to procurement, together with the completely filled out Anti-Corruption Compliance Checklist as provided, and supporting evidence.*

Where the Bidder holding a certification under ISO 37001 Anti-Bribery Management Systems, certification from the Thai Private Sector Collective Action against Corruption (CAC Certified), or any certification as prescribed by the Anti-Corruption Co-operation Committee, shall be deemed to have satisfied the minimum standards of the policy and directions for anti-corruption in relation to procurement. Such certification documents may be submitted as part of the bid.

Such minimum standards of the policy and directions for anti-corruption in relation to procurement, or the certification, shall remain valid and effective from the bid opening date.

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-8. Payment

The following paragraphs shall be added as the last two paragraphs of this article:

“ Please note that the Contractor shall provide written minimum standards of the policy and directions for anti-corruption in relation to procurement or a certification of anti-corruption standards that are valid until the date of receipt of the final payment under the Contract.

In the case where EGAT finds that the validity period of the Contractor's submitted minimum standards of the policy and directions for anti-corruption in relation to procurement, or the relevant certification, will expire before the date of receipt of the final payment under the Contract, EGAT shall issue a written notification to the Contractor requiring the submission of a revised or updated, completely filled out Anti-Corruption Compliance Checklist together with supporting evidence, prior to the expiration date of the existing Anti-Corruption Compliance Checklist. ”

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.

Anti-Corruption Compliance Checklist

(Rev.1)

Bidders shall provide written minimum standards of the policy and directions for anti-corruption in relation to procurement (“Minimum Standards”) together with supporting evidence pursuant to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017). This checklist shall be submitted with Bids.

Project: (Please specify the project for which you are bidding).....

State Agency: Electricity Generating Authority of Thailand

Bidder Name: (Please specify the bidder’s name).....

Please mark one of the following boxes that applies to the bidders* and complete all details in the space provided:

1. Have one of the following certificates:

- Certificate under ISO 37001 Anti-Bribery Management Systems, or
- Certificate from the Thai Private Sector Collective Action against Corruption, or
- Certificate as prescribed by the Anti-Corruption Co-operation Committee: (Please specify the certificate name)

Validity period:(Please specify the validity period of the chosen certificate).....

Please attach an evidence of the chosen certificate.

2. Do not have a certificate as specified in item 1, but have the Minimum Standards with one of the following validity:

- Perpetual Validity, or
- Validity period:.....(Please specify the validity period of the Minimum Standards).....

Details of the Minimum Standards and supporting evidence are as follows: (Please mark in the “Yes” or “No” column):

Item	Yes	No	Reference Evidence (Please specify Article)
1. Bidders have any clearly defined written anti-corruption policies that is regularly updated.			
2. Bidders have any clearly defined written guidelines, methods, or measures for preventing corruption in procurement that is regularly updated, including but not limited to:			
2.1 Code of Conduct			
2.2 Internal unit or personnel explicitly responsible for the prevention of corruption			
2.3 Penalties or regulations against corruption			
2.4 Channels or systems to report any suspicious or queries related to corruption			
2.5 Anti-corruption training plan			
3. Bidders have communicated and publicized the anti-corruption policies and guidelines relation to procurement as stated in items 1 and 2.			
4. Bidders have provided training on anti-corruption to directors, executives, or employees.			
5. The anti-corruption policies and guidelines are reviewed at least every three (3) years.			

We hereby certify that the information provided above and the supporting evidence are true and correct.

Signed

(.....)

Name of Bidder

Stamp company seal (if any)

Date.....

* Notes:

1. The certificate or Minimum Standards shall remain valid and effective from the bid opening date until the date of receipt of the final payment under the contract.
2. If the bidders do not have a certificate, the bidders shall fulfill all items stipulated in the above table to meet the Eligibility of Bidders’ criteria for participation in this procurement.
3. In case of Consortium of two (2) or more firms, partnership or companies, this checklist of each member shall be submitted separately.
4. In the case of an unincorporated Joint Venture, each participant shall submit this checklist separately.
5. This checklist is a translation from Thai based on the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017), dated September 25, 2024. In the event of any discrepancy, the Thai version in the notification shall prevail.

INVITATION TO BID NO. NPUP-RX-01
SUPPLY OF 110 Mvar and 55 Mvar 500 kV SHUNT REACTORS
TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF
NAN PHRAE AND UTTARADIT PROVINCES FOR POWER
PURCHASE FROM LAO PDR PROJECTS

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of 110 Mvar and 55 Mvar 500 kV Shunt Reactors under Transmission System Development in the area of Nan Phrae and Uttaradit provinces for Power Purchase from Lao PDR Projects 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 *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. NPUP-RX-01

SUPPLY OF 110 Mvar and 55 Mvar 500 kV SHUNT REACTORS

**TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF
NAN PHRAE AND UTTARADIT PROVINCES FOR POWER
PURCHASE FROM LAO PDR PROJECTS**

and shall be addressed and delivered to *EGAT*, 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 270.- or Baht 8,000.-. These prices include the value added tax.