E L E C T R I C I T Y G E N E R A T I N G A U T H O R I T Y O F T H A I L A N D

Supplemental Notice No. 2

Invitation to Bid No. TIEC-RX-05

Supply of 55 Mvar 500 kV Shunt Reactor

Transmission System Improvement Project in Northeastern, Lower Northern, Central Regions and Bangkok Area to Enhance System Security

The attached Supplemental Notice shall be considered as part of the bidding documents No. TIEC-RX-05.

As acknowledgement of receipt that all additions, deletions and revisions contained in this Supplemental Notice are incorporated into the above bidding documents, Bidder is requested to sign and return this acknowledgement via email address : pasakorn.piy@egat.co.th within three (3) days from the date of the announcement of this Supplemental Notice on http://www4.egat.co.th/fprocurement/biddingeng/.

The original acknowledgement which is manually signed in ink by a person or persons duly authorized shall be included in the proposal to be submitted on the bid opening date.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

January 6, 2026

ACKNOWLEDGEMENT

This undersigned Bidder hereby certifies that the additions, deletions and revisions set forth in this Supplemental Notice to Invitation to Bid No. TIEC-RX-05 are incorporated as part of the above bidding documents and will be fully included in any bids which he may submit.

Signed _____

Title _____

Company _____

Date _____

E L E C T R I C I T Y G E N E R A T I N G A U T H O R I T Y O F T H A I L A N D

SUPPLEMENTAL NOTICE NO. 2

INVITATION TO BID NO. TIEC-RX-05

SUPPLY OF 55 Mvar 500 kV SHUNT REACTOR

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY

The following supplemental information is hereby given for the above described Invitation:

1. Section A : Invitation to Bid

   Postpone the bid opening date from January 15, 2026 to February 25, 2026.

2. Section G : Ratings and Features

   Replace Ratings and Features No. RX961A and RX781C with the revised ones attached.

Bid submitted must be in accordance with this Notice. Receipt of this Notice shall be acknowledged by the Bidder on the proposal included in the Bidding Documents in the space provided on page C3, Article C-7 Supplemental Notices.

ELECTRICITY GENERATING
AUTHORITY OF THAILAND

January 6 , 2026

ELECTRICITY GENERATING AUTHORITY OF THAILAND

(Revision 1)

Tentative Schedule for Invitation to Bid No. TIEC-RX-05

Supply of 55 Mvar 500 kV Shunt Reactor

Transmission System Improvement Project in Northeastern, Lower Northern, Central Regions and Bangkok Area to Enhance System Security

Process	Date	Time
Announcement	November 13, 2025	-
Bid selling period	November 13, 2025 to December 19, 2025	-
Bid opening date	***February 25, 2026***	9:00 - 10:00 hrs.

Remark : Bid will be opened publicly at Bidding Room, 1st Floor, Tor 137 Building at EGAT's Head Office, Nonthaburi at 10:00 hrs.

Ratings and Features	**Designed :** via ECM System	**Validated :** via ECM System	**Revision 0**	**Page 1/1**
RF No. RX961A	**Verified :** via ECM System	**Approved :** via ECM System	**Dated : 12/12/2025**	

a. Type / Type of Cooling	1-phase, Oil Filled, Outdoor / ONAN	
b. Rated Frequency	50	Hz
c. Highest Voltage for Equipment	550	kV
d. Rated Voltage	525	kV
e. Rated Power (1-Phase at Rated Voltage)	55	Mvar
f. Winding Voltage Rating		
- Highest Voltage (High Voltage)	550	kV
- Highest Voltage (Neutral)	145	kV
- Lightning Impulse Withstand Voltage (High Voltage)	1,550	kV
- Lightning Impulse Withstand Voltage (Neutral)	650	kV
- Switching Impulse Withstand Voltage (High Voltage)	1,175	kV
g. Bushing Voltage Rating		
- Highest Voltage (High Voltage)	550	kV
- Highest Voltage (Neutral)	145	kV
- Lightning Impulse Withstand Voltage (High Voltage)	1,550	kV
- Lightning Impulse Withstand Voltage (Neutral)	650	kV
- Switching Impulse Withstand Voltage, Wet (High Voltage)	1,175	kV
h. Bushing		
- Material of Insulator	Porcelain	
- Creepage Distance of HV Side	≥ 13,750	mm
- Creepage Distance of Neutral	≥ 3,625	mm
i. Connection	Grounded Wye	
j. Audible Noise Level (Internal noise only without external accessories such as sound panels, sound enclosure, dampers, sound absorbers etc.)	≤ 74	dB(A)
k. X0/X1 Ratio of Phase Reactor	1.0 (Tolerance ±2%)	
l. Temperature Class of Winding Insulation	120	
m. Winding Temperature Rise (Continuous at 105% Rated Voltage and Rated Frequency)		
- Average / Hottest Spot	≤ 60 / ≤ 75	°C
n. Current Transformer		
High Voltage Terminal		
- Qty. per Phase	3	
- Accuracy Class	5P20, 20 VA	
- Continuous Thermal Current Rating Factor	1.0	
- Ratio	400/600 : 1 A	
Neutral Terminal		
- Qty. per Phase	2	
- Accuracy Class	5P20, 20 VA	
- Continuous Thermal Current Rating Factor	1.0	
- Ratio	400/600 : 1 A	
o. Max. Permissible Shipping Weight	150 tons	
p. Max. Permissible Shipping Dimension (W × L × H)	4.0 m × 10.0 m × 4.0 m (See Note 1)	
q. Applicable Standard	IEC 60076-6	

Note : 1. Exception to the weight and dimension limitation stated in Article : Clearance and Weight Limitations of Section E : General Conditions of Contract.
2. Radiators shall be designed to be attached to the reactor tank. The radiator bank located on separated foundation from the reactor foundation is not acceptable.

Ratings and Features	**Designed :** via ECM system	**Validated :** via ECM system	**Revision 0**	**Page 1/2**
RF No. RX781C	**Verified :** via ECM system	**Approved :** via ECM system	**Dated : 12/12/2025**	

a.	Type / Type of Cooling	1-phase, Oil Filled, Outdoor / ONAN	
b.	Rated Frequency	50	Hz
c.	Rated Voltage	145	kV
d.	Rated Power	3.785	Mvar
e.	Current Rating		
	- Continuous	87	A
	- 10 Minutes	290	A
f.	Winding Voltage Rating+		
	- Highest Voltage (High Voltage)	145	kV
	- Highest Voltage (Neutral)	24	kV
	- Lightning Impulse Withstand Voltage (High Voltage)	650	kV
	- Lightning Impulse Withstand Voltage (Neutral)	125	kV
	- Switching Impulse Withstand Voltage (High Voltage)	-	kV
g.	Bushing Voltage Rating+		
	- Highest Voltage (High Voltage)	145	kV
	- Highest Voltage (Neutral)	24	kV
	- Lightning Impulse Withstand Voltage (High Voltage)	650	kV
	- Lightning Impulse Withstand Voltage (Neutral)	125	kV
	- Switching Impulse Withstand Voltage, Wet (High Voltage)	-	kV
h.	Bushing		
	- Material of Insulator	Porcelain	
	- Creepage Distance of HV Side	≥ 3,625	mm
	- Creepage Distance of Neutral	≥ 600	mm
i.	Audible Noise Level (Internal noise only without external accessories such as sound panels, sound enclosure, dampers, sound absorbers etc.)	≤ 55	dB(A)
j.	Neutral Reactor Zero Sequence Reactance (Xn)	500	ohms
k.	Temperature Class of Winding Insulation	120	
l.	Winding Temperature Rise (Continuous at 105 % Rated Voltage and Rated Frequency)		
	- Average / Hottest Spot	≤ 60 / ≤ 75	°C
m.	Current Transformers		
	High Voltage Terminal		
	- Qty. per Phase	1	
	- Accuracy Class	5P20, 20 VA	
	- Continuous Thermal Current Rating Factor	1.0	
	- Ratio	400/600 : 1 A	
	Neutral Terminal		
	- Qty. per Phase	1	
	- Accuracy Class	5P20, 20 VA	
	- Continuous Thermal Current Rating Factor	1.0	
	- Ratio	400/600 : 1 A	
n.	Surge Arrester, Station Class, Tank Mounted on High Voltage Side (RF SA7D11)		
	- Qty. per unit	1	
	- Voltage Rating	120	kV
o.	Max. Permissible Shipping Dimension (W × L × H)	3.5 m × 8.0 m × 4.0 m (See Note 1)	
p.	Applicable Standard	IEC 60076-6	

Ratings and Features	**Designed :** via ECM system	**Validated :** via ECM system	**Revision 0**	**Page 2/2**
RF No. RX781C	**Verified :** via ECM system	**Approved :** via ECM system	**Dated : 12/12/2025**	

Note : 1. Exception to the weight and dimension limitation stated in Article : Clearance and Weight Limitations of Section E : General Conditions of Contract.
2. The shunt reactor and neutral reactor shall be proposed from the same factory.
\+ Base on 10 Minutes Current Rating.