

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 : Reception of Enquiry Documents via Online Process

Please be informed of the reception of enquiry documents via online process as follows:

- 1) Fill-out the Registration Form via the link provided in <https://www4.egat.co.th/fprocurement/biddingeng>
- 2) The in-charge officer will send the link for downloading the enquiry documents to the purchaser's email address in the Registration Form within approximately 2 working days.



Enquiry No. TIRP-FRS-01
Supply of Fault Recording System
Transmission System Improvement Project
to Accommodate the Renewable Energy Power Purchase

The Electricity Generating Authority of Thailand (EGAT) is calling for the subject Enquiry to be financed by EGAT's fund. The project is on the process of the Government's Approval. The Enquiry may be cancelled in case the project is not approved.

Place of Delivery : EGAT's Store at Nong Chok

Medium Cost (including Value Added Tax) : THB 2,320,000.-

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 Enquiry, or shall not be a person who undertakes any action as an "Obstruction of Fair Price Competition" for this Enquiry.
3. The Bidder shall not either be EGAT's consultant or involve in EGAT's consultancy company under this Enquiry, 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 quotation until the fulfillment of the Contract.

Availability of Enquiry

Enquiry Documents are obtainable during 08:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from May 29, 2026.

Please find more details at <https://www4.egat.co.th/fprocurement/biddingeng> or contact for further information at telephone no. 66 2436 0346 or procurement.tse@egat.co.th.

Delivery of Quotation

Quotation shall be submitted at Bidding Room, 1st Floor, Tor 137 Building at EGAT's Head Office, Nonthaburi during 09:00 hrs. to 10:00 hrs., Bangkok Standard Time, July 15, 2026 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

May 29, 2026

(Mrs. Kannika Dhachalupat)

Assistant Director, Central Procurement and Inventory Management Division - 1



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เรื่อง สอบราคาซื้อ เลขที่ TIRP-FRS-01

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Fault Recording System สำหรับโครงการปรับปรุงระบบส่งไฟฟ้าเพื่อรองรับการรับซื้อไฟฟ้าจากพลังงานหมุนเวียน โดยใช้งบประมาณ กฟผ. ทั้งนี้ โครงการอยู่ระหว่างการขออนุมัติจากคณะกรรมการ การจัดหาครั้งนี้จะไม่ผูกพัน กฟผ. หากโครงการไม่ได้รับอนุมัติ

สถานที่ส่งมอบ : คลังพัสดุ กฟผ. หนองจอก

ราคากลาง (รวมภาษีมูลค่าเพิ่ม) : 2,320,000.- บาท

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุดำเนินการ และต้องไม่เป็นผู้ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง กฟผ.
2. ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศสอบราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการสอบราคาครั้งนี้
3. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทน หรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
4. ต้องไม่เป็นผู้ได้รับเอกลิทธิหรือความคุ้มครอง ซึ่งอาจปฏิเสธไม่ยอมรับขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้ละสิทธิ์และความคุ้มครองเช่นว่านั้น
5. ผู้ประสงค์ยื่นซองสอบราคาในนามของกิจการร่วมค้าหรือกิจการร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการสอบราคาในนามของกิจการร่วมค้าหรือกิจการร่วม ตั้งแต่การเสนอราคาจนถึงข้อผูกพันกับ กฟผ.

การขอรับเอกสารสอบราคา

ผู้สนใจติดต่อขอรับเอกสารสอบราคา ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 29 พฤษภาคม 2569 ทั้งนี้ สามารถดูรายละเอียดการขอรับเอกสารสอบราคาได้ที่เว็บไซต์ <https://www4.egat.co.th/fprocurement/biddingeng> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0346 หรืออีเมล procurement.tse@egat.co.th

การยื่นซองสอบราคา

กำหนดยื่นซองสอบราคา ในวันที่ 15 กรกฎาคม 2569 เวลา 09:00 น. ถึง 10:00 น. และเปิดซองสอบราคาเวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 อาคาร ท.137 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 29 พฤษภาคม 2569

กมลทิศา ธาตุภูมิ
(นางกรรณิกา ธาตุภูมิ)

ผู้ช่วยผู้อำนวยการฝ่ายจัดซื้อจัดจ้างและ

บริหารพัสดุส่วนกลาง - 1


MEDIUM COST FOR ENQUIRY NO. TIRP-FRS-01

SUMMARY OF BID PRICE

SUPPLY OF FAULT RECORDING SYSTEM

TRANSMISSION SYSTEM IMPROVEMENT PROJECT TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE

No.	Description	Supply of Equipment
		DDP EGAT 's Store (excluding VAT) Baht
		Amount
1	Schedule 1 : Fault Recording System	2,163,967.05
SUMMARY PRICE		Baht 2,163,967.05
VAT		Baht 151,477.69
SUMMARY OF MEDIUM COST		Baht 2,315,444.74
SUMMARY OF MEDIUM COST (ROUNDED)		Baht 2,320,000.00


 นายสมชัย เจริญศรีเกษม
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

MEDIUM COST FOR ENQUIRY NO. TIRP-FRS-01

Schedule 1 : Fault Recording System

SUPPLY OF FAULT RECORDING SYSTEM

TRANSMISSION SYSTEM IMPROVEMENT PROJECT TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE

Item No.	Description	Drawing No. / Reference No.	Qty.	Unit	Supply of Equipment	
					DDP EGAT 's Store (excluding VAT) Baht	
					Unit Price	Amount
1-1	FAULT RECORDING SYSTEM, 48 ANALOG INPUT, 144 DIGITAL INPUT.	Panel No. FRS21 Specification No. 1003 Dwg. No. KB2-E-1.1 The quantity of analog channels shall be as noted below.	1	SET	1,780,733.85	1,780,733.85
1-2	ANALOG ISOLATOR CARD	Supply as spare part. Specification No. 1003	1	EA	56,537.25	56,537.25
1-3	POWER SUPPLY	Supply as spare part. Specification No. 1003	1	EA	23,390.85	23,390.85
1-4	ACQUISITION UNIT	Supply as spare part. Specification No. 1003	1	EA	16,622.55	16,622.55


 นายสมชัย เจริญศรีเกษม
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

MEDIUM COST FOR ENQUIRY NO. TIRP-FRS-01**Schedule 1 : Fault Recording System****SUPPLY OF FAULT RECORDING SYSTEM****TRANSMISSION SYSTEM IMPROVEMENT PROJECT TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE**

Item No.	Description	Drawing No. / Reference No.	Qty.	Unit	Supply of Equipment	
					DDP EGAT 's Store (excluding VAT) Baht	
					Unit Price	Amount
1-5	CPU & MEMORY MODULE 1	Supply as spare part. Specification No. 1003	1	EA	55,425.30	55,425.30
1-6	ANALOG ISOLATOR FOR VOLTAGE	Supply as spare part. Specification No. 1003	1	EA	55,425.30	55,425.30
1-7	ANALOG ISOLATOR FOR CURRENT	Supply as spare part. Specification No. 1003	1	EA	55,425.30	55,425.30
1-8	DIGITAL ISOLATOR MODULE	Supply as spare part. Specification No. 1003	1	EA	53,901.75	53,901.75
1-9	HARD DISK & HARD DISK CONTROLLER	Supply as spare part. Specification No. 1003	1	EA	49,882.35	49,882.35



นายสมชัย เจริญศรีเกษม
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

MEDIUM COST FOR ENQUIRY NO. TIRP-FRS-01

Schedule 1 : Fault Recording System

SUPPLY OF FAULT RECORDING SYSTEM

TRANSMISSION SYSTEM IMPROVEMENT PROJECT TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE

Item No.	Description	Drawing No. / Reference No.	Qty.	Unit	Supply of Equipment	
					DDP EGAT 's Store (excluding VAT) Baht	
					Unit Price	Amount
1-10	TELE- COMMUNICATION BOARD	Supply as spare part. Specification No. 1003	1	EA	16,622.55	16,622.55
	Note: 1. The following are channel requirements of Fault Recording System. - 3 analog voltage channel for each bus. - 3 analog voltage channel for line bay. - 3 analog current channel for line bay. 2. The Fault Recording System shall include the following additional functions for every line: - Calculation of Fault Locator and Power Flow.					
Total Price for Schedule 1					Baht	2,163,967.05


 นายสมชัย เจริญศรีเกษม
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

Important Information
for
Enquiry No. TIRP-FRS-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-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 F-8. Payment

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-15. Shipment

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

Article F-8. Payment

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

DATA SHEET

for

Enquiry No. TIRP-FRS-01

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

Article A-1. Invitation

Insert the following as the second and third paragraphs of this article respectively:

The Letter of Award of Contract to be issued to the successful Bidder will be made after EGAT obtains the Project approval from the Government of Thailand, and the approval for Project implementation from the Government's authority and/or other related entities as required (if any) by Thai laws.

Unless EGAT gets approval as such, the Project and the work under this invitation has to be cancelled. In the event such cancellation is required, all costs incurred by the Bidder in preparing his enquiry shall be at his own account and will not be reimbursed by EGAT.

Article A-2. Eligibility of Bidders: General Requirements

Item b. shall be revised as follows:

b. The Bidder shall be a receiver of the bidding documents from EGAT.

Article B-3. Bid Security

This article and any provisions regarding bid security found in the bidding documents are not applicable.

Article B-4. Validity of Bids

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

Article B-12. Evaluation and Comparison of Bids

The evaluation of bid prices shall be on schedule basis.

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

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

ENQUIRY NO. TIRP-FRS-01

SUPPLY OF FAULT RECORDING SYSTEM

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT
TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE**

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of Fault Recording System under Transmission System Improvement Project to Accommodate the Renewable Energy Power Purchase. hereinafter called Equipment in accordance with the terms, conditions and Specifications described in these Bidding Documents.

A-2. Eligibility of Bidders: General Requirements

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

- a. The Bidder shall be a partnership, firm or company, either alone or in joint venture or in consortium.
- b. The Bidder must have purchased the bidding documents from EGAT. For a joint venture or a consortium, only one (1) member of the joint venture or consortium is required to purchase the bidding documents.

In case the Bidder's name is not exactly the same as the purchaser's name, the purchaser shall notify EGAT of the name of the Bidder in writing prior to the bid opening time.

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

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

A-3. Eligibility of Bidders: Technical Requirements

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

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

- b. 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.

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

- c. The Bidder shall have no just or proper claims pending against him 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 as pending claim of the Bidder.

- d. The Bidder shall have sufficient capacity to carry out the Work.
- e. The Bidder shall propose the Fault Recording System (FRS) cabinets manufactured by the qualified manufacturers who shall fulfill the following requirements:

- 1. Being well-established and maintaining a permanent place of business.
- 2. Having one of the following qualifications:
 - 2.1 The cabinet and all Equipment are completely wired by the FRS manufacturer before shipping to Thailand.

OR

- 2.2 The cabinet and the Equipment are wired in Thailand by the local cabinet manufacturer who has one of the following qualifications:

- 2.2.1 Having a letter of acceptance for manufacturing of Control and Protection Boards and/or fabrication of the specific Equipment issued by EGAT within the scope specified therein.

OR

- 2.2.2 Being listed in EGAT ACCEPTED MANUFACTURER LIST FOR CONTROL AND PROTECTION PANEL

(LOCAL MANUFACTURER) attached at the end of Section A. Invitation to Bid.

The design and engineering shall be performed by the FRS manufacturer. The assembly, factory test and commissioning shall be in accordance with the FRS manufacturer's standard and shall be performed under the FRS manufacturer's supervisor.

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.
4. Having no just or proper claims pending against Equipment on other similar works.

In case the manufacturer 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 as pending claim of the manufacturer.

- f. The proposed FRS shall be the product from the manufacturers as listed in EGAT ACCEPTED MANUFACTURER LIST FOR FAULT RECORDING SYSTEM attached at the end of Section A. Invitation to Bid and shall be in compliance with the details specified in EGAT's Specifications.
- g. Type/model of the proposed FRS shall be as specified in EGAT ACCEPTED FAULT RECORDING SYSTEM LIST attached at the end of Section A. Invitation to Bid.

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 :

ENQUIRY NO. TIRP-FRS-01

SUPPLY OF FAULT RECORDING SYSTEM

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT
TO ACCOMMODATE THE RENEWABLE ENERGY POWER PURCHASE**

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-..... or Baht-..... . These prices include the value added tax.

EGAT ACCEPTED FAULT RECORDING SYSTEM LIST

Accepted Type	Manufacturer
IDM+	Qualitrol
M871	GE
7KE85 (*)	Siemens
TESLA 4000 (*)	ERL Phase
TR 2100	Rochester (RIS)
TR 3000 (**)	

Remarks

- (*) Applicable to IEC 61850 for both station bus and process bus with the certification issued by the third party laboratory and specifying that the said FRS conforms to "IEC 61850 edition 2 parts 6, 7-1, 7-2, 7-3, 7-4, and 8-1".
- (**) Applicable to IEC 61850 only for station bus with the certification issued by the third party laboratory and specifying that the said FRS conforms to "IEC 61850 edition 2 parts 6, 7-1, 7-2, 7-3, 7-4, and 8-1".

Notes

- The procedures for being listed in EGAT ACCEPTED FAULT RECORDING SYSTEM LIST are specified in the EGAT's Pre-Qualification (PQ) process, of which the details can be provided by Transmission System Engineering Division on request.
- If any types of FRS in the list are planned to discontinue the manufacturing, the manufacturer or the representative is responsible for informing EGAT at least 1 year before the unavailable date.



เอกสารไม่ควบคุม
 รับรองสำเนาโดย นพอ.ร. กสส.ร. อวส.
 ก่อนนำไปใช้งาน
 ต้องตรวจสอบ Revision ล่าสุด
 ฝ่ายวิศวกรรมระบบส่ง กฟผ.

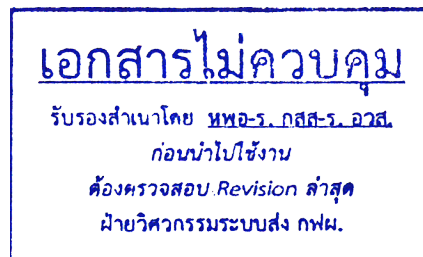
4 กันยายน 2568

EGAT ACCEPTED MANUFACTURER LIST FOR
CONTROL AND PROTECTION PANEL (LOCAL MANUFACTURER)

Description	Manufacturer	Designed by
500 kV Control and Protection Panel	Hitachi Energy (Thailand) Limited	Hitachi Energy (Thailand) Limited
	Precise System and Project Co., Ltd.	Precise System and Project Co., Ltd.
	U-tah Industry Limited Partnership	U-tah Industry Limited Partnership
	SCI Electric Public Company Limited	Siemens Limited
230 kV and below Control and Protection Panel	Hitachi Energy (Thailand) Limited	Hitachi Energy (Thailand) Limited
	C&T Metal Products Co., Ltd.	Easun Reyrolle Limited, India
	Precise System and Project Co., Ltd.	Precise System and Project Co., Ltd.
	U-tah Industry Limited Partnership	U-tah Industry Limited Partnership
	SCI Electric Public Company Limited	SCI Electric Public Company Limited
	Timpano Electrical Co., Ltd.	Timpano Electrical Co., Ltd.
	Mantra Switchgear Co., Ltd.	Siemens Limited

Notes

- The procedures for being listed in EGAT ACCEPTED MANUFACTURER LIST FOR CONTROL AND PROTECTION PANEL (LOCAL MANUFACTURER) can be provided by Transmission System Planning and Project Division on request.
- The control and protection panel shall be manufactured and designed by the manufacturer/company written in the same row.



4 กันยายน 2568

EGAT ACCEPTED MANUFACTURER LIST FOR FAULT RECORDING SYSTEM

Description	Manufacturer / Country
Fault Recording System	Qualitrol / UK
	Siemens / Germany
	Rochester / USA
	GE / USA
	ERL Phase / Canada

Eng No. TIRP-FRS-01

เอกสารไม่ควบคุม
รับรองสำเนาโดย ทพอ.ร. กสส.ร. อวส.
ก่อนนำไปใช้งาน
ต้องตรวจสอบ Revision ล่าสุด
ฝ่ายวิศวกรรมระบบส่ง กฟผ.

4 กันยายน 2568