

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

REGISTRATION FORM

INVITATION TO BID NO. TS12-MJ2-05 and GBA3-MJ2-04
FOR SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO. 12
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3
AVAILABLE DURATION FOR PURCHASING JULY 25, 2019 TO AUGUST 28, 2019
PRICE USD 16.- OR THB 500.-

COMPLETE DATA IS REQUIRED FOR THE BIDDER'S OWN BENEFITS

(โปรดกรอกรายละเอียดให้ครบถ้วนเพื่อประโยชน์ของบริษัท)

- Step 1** : Fill out this Registration Form in English (Typing is preferred)
Step 2 : Submit this form for payment at Receivable Cashier Section (1st Floor, TOR 100 Bldg., Counter 4-8) Tel no. 02 436 5512
Step 3 : Bring the payment receipt and the copy of filled-out Registration Form to receive the bidding documents at International Procurement Department - Transmission Segment (Room No. 1202/2, 12th Floor, Building Tor. 101) Tel no. 02 436 0241-42

FOR PURCHASER			TAX ID :
NO.	RECEIPT NO. :	DATE :	PURCHASER (ผู้ซื้อ):
BIDDER'S NAME (บริษัทผู้ซื้อเอกสาร)			
ADDRESS (ที่อยู่)		COUNTRY :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
LOCAL REPRESENTATIVE (ตัวแทนในประเทศ)			
ADDRESS (ที่อยู่)		TAX ID :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
FOR PROCUREMENT OFFICER		CHANGE OF BIDDER'S NAME	TAX ID :
BIDDER'S LETTER NO. :		DATED :	
NEW BIDDER'S NAME (ชื่อผู้ซื้อเอกสารเปลี่ยนเป็น)			
ADDRESS (ที่อยู่)		COUNTRY :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
LOCAL REPRESENTATIVE (ตัวแทนในประเทศ)			
ADDRESS (ที่อยู่)		TAX ID :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			
FOR PROCUREMENT OFFICER		FOR PURCHASER	
Procurement Officer (ผู้ส่งมอบเอกสาร)		Document received by (ผู้รับมอบเอกสาร)	



INVITATION TO BID NO. TS12-MJ2-05 and GBA3-MJ2-04
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO. 12
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

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 : Bangkok Port / Ex-works

Medium Cost (including Value Added Tax and other expenses)

Schedule A1 and B1	:	THB 16,600,000.-
Schedule A2 and B2	:	THB 11,700,000.-
Schedule A3 and B3	:	THB 32,100,000.-
Schedule A4	:	THB 1,430,000.-

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 Office of Prime Minister 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 in CD-ROM will be available for examination of Bidder's Qualifications and purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from July 25, 2019 to August 28, 2019 at USD 16.- or THB 500.- per copy, non-refundable, at the following address :

International Procurement Department - Transmission Segment
(Room No. 1202/2, 12th Floor, Building Tor. 101)
Procurement and Inventory Management Division
Electricity Generating Authority of Thailand
Bangkrui, Nonthaburi 11130, Thailand
Telephone no. 66 2436 0241

E-mail : procurement.tse@egat.co.th

For more details and downloading Registration Form for purchasing Bidding Documents on website :

<http://www4.egat.co.th/fprocurement/biddingeng/>

Payment can be made by a certified cheque or money order payable to EGAT or by a telegraphic transfer to EGAT's current account no. 109-6-01958-2 (swift code : KRTHTHBK), Krung Thai Bank Public Company Limited, Bangkrui Branch, Nonthaburi. All bank charges and fees incurred by the payment of bidding documents shall be under the buyer's responsibility.

Nilanati Osotpavapusi

Bidding Documents in CD-ROM will be either airmailed or airfreighted to the buyer at EGAT's expense upon receipt of the relevant remittance. In case the buyer requires the Bidding Documents to be sent by Express Mail Service (EMS), the charge will be at the buyer's expense.

Delivery of Bids

Bids shall be submitted at Room No. 1202/1, 12th Floor, Building Tor. 101 during 9:30 hrs. to 10:00 hrs., Bangkok Standard Time, September 5, 2019 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

July 18, 2019

Nilanate Osotpavapusit

(Mrs. Nilanate Osotpavapusit)

Chief, International Procurement Department -
Transmission Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

เรื่อง ประกวดราคาซื้อ เลขที่ TS12-MJ2-05 and GBA3-MJ2-04

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Power Circuit Breaker and Disconnecting Switch ภายใต้โครงการขยายระบบส่งไฟฟ้าระยะที่ 12 โครงการขยายระบบไฟฟ้าในเขตกรุงเทพและปริมณฑลระยะที่ 3 โดยใช้งบประมาณ กฟผ.

สถานที่ส่งมอบ : ท่าเรือกรุงเทพฯ / หน้าโรงงานผู้ผลิต

ราคากลาง(รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) :

Schedule A1 and B1	:	THB 16,600,000.-
Schedule A2 and B2	:	THB 11,700,000.-
Schedule A3 and B3	:	THB 32,100,000.-
Schedule A4	:	THB 1,430,000.-

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุดำเนินการตามประกาศ และต้องไม่เป็นผู้ที่ทำงานซึ่งสำนักนายกรัฐมนตรีได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ที่ทำงานตามคำสั่ง กฟผ.
2. ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
3. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทนหรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
4. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
5. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อขอทราบรายละเอียด เพื่อตรวจสอบคุณสมบัติของผู้เสนอราคา และขอซื้อเอกสารประกวดราคา ในราคาชุดละ 500.- บาท ได้ที่ แผนกจัดซื้อต่างประเทศสายงานระบบส่ง (ห้อง 1202/2 ชั้น 12 อาคาร ท.101) กองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง ฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เซิงสะพานพระราม 7 จังหวัดนนทบุรี ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 25 กรกฎาคม 2562 ถึงวันที่ 28 สิงหาคม 2562 หรือสอบถามทางโทรศัพท์ หมายเลข 0 2436 0241 หรืออีเมล procurement.tse@egat.co.th ทั้งนี้ สามารถ download แบบฟอร์มลงทะเบียนผู้ซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng/>

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา ในวันที่ 5 กันยายน 2562 เวลา 9:30 น. ถึง 10:00 น. และเปิดซองประกวดราคาเวลา 10:00 น. ณ ห้อง 1202/1 ชั้น 12 อาคาร ท.101 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เซิงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 18 กรกฎาคม 2562

หญิงเนตร โอสภากฤษิต


(นางนิลเนตร โอสภากฤษิต)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

**ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีชิ้นงานก่อสร้าง**

1. **ชื่อโครงการ** ประกวตราคาเลขที่ TS12-MJ2-05 and GBA3-MJ2-04
งานจัดซื้อ Power Circuit Breaker and Disconnecting Switch
โครงการขยายระบบส่งไฟฟ้าระยะที่ 12
โครงการขยายระบบไฟฟ้าในเขตกรุงเทพและปริมณฑล ระยะที่ 3
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
2. **วงเงินงบประมาณที่ได้รับจัดสรร**
โครงการขยายระบบส่งไฟฟ้าระยะที่ 12 งบประมาณ 60,000 ล้านบาท
โครงการขยายระบบไฟฟ้าในเขตกรุงเทพและปริมณฑล ระยะที่ 3
งบประมาณ 12,100 ล้านบาท
3. **วันที่กำหนดราคากลาง** 20 มิถุนายน 2562 (วันที่ อวส. อนุมัติ)
ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 61,830,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ
4. **แหล่งที่มาของราคากลาง**
หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานระบบส่ง
5. **รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง**
 - 5.1 นางสาวมธุรส ชมาฤกษ์ วศ.10 กวอ-ส.
 - 5.2 นายโสฬสศักดิ์ บุชวณากุล วศ.6 หอต-ส. กวอ-ส.


หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อากรขาเข้า เป็นต้น

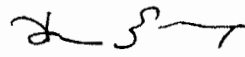

นางสุนิศา แย้มอยู่
หตส-ห.
18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04

Group	Schedule	Medium cost (Rounded)
1	A1 and B1	16,600,000.00
2	A2 and B2	11,700,000.00
3	A3 and B3	32,100,000.00
4	A4	1,430,000.00
Total		61,830,000.00


ราคาดังกล่าวเป็นราคาที่รวม VAT, Import Duty, Customs Clearance เรียบร้อยแล้ว

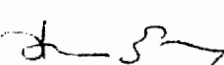

นางสุนิศา แยมอยู่
หจกส-ท.
18 ก.ค. 2562


20 มี.ย. 62

**MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
SUMMARY OF BID PRICE FOR SCHEDULE A1 AND B1
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3**

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Foreign Currency
			CFR Thai Port	(excluding VAT)
			Amount	Amount
1	Schedule A1 : 230 kV Power Circuit Breaker	THB	12,306,019.00	128,790.00
2	Schedule B1 : 230 kV Power Circuit Breaker	THB	2,906,672.00	28,620.00
	BID PRICE	THB	15,212,691.00	157,410.00
	IMPORT DUTY	THB	49,517.96	
	CUSTOMS CLEARANCE	THB	91,276.17	
	VAT	THB	1,068,354.63	11,018.70
	SUMMARY OF BID PRICE	THB	16,421,839.76	168,428.70
	TOTAL MEDIUM COST	THB	16,590,268.46	
	TOTAL MEDIUM COST (ROUNDED)	THB	16,600,000.00	


 นางสุนิศา แยมอยู่
 ทชตส-ท.
 18 ก.ค. 2562


 20 มี.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A1 : 230 kV Power Circuit Breaker
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		Foreign Currency	Local Currency (excluding VAT) Baht		
					Foreign Supply				Local Supply				Amount	Amount
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount				
A1-1	245 kV 4000 A 50 kA GCB 1&3 pole trip as per Ratings and Features RF CB8951(IEC)	6		THB	1,261,000.00		1,261,000.00	7,566,000.00			XXXXX	XXXXX		
A1-2	Steel Supporting Structure for CB8951(IEC)* for item no. A1-1	6		THB	41,535.00		41,535.00	249,210.00			XXXXX	XXXXX		
A1-3	Complete pole of Circuit Breaker for CB8951(IEC)	1		THB	249,000.00		249,000.00	249,000.00			XXXXX	XXXXX		
A1-4	Closing Coil for CB8951(IEC)	1		THB	2,751.00		2,751.00	2,751.00			XXXXX	XXXXX		
A1-5	Tripping Coil for CB8951(IEC)	1		THB	2,125.00		2,125.00	2,125.00			XXXXX	XXXXX		
A1-6	Maintenance closing device for CB8951(IEC)	1		THB	7,726.00		7,726.00	7,726.00			XXXXX	XXXXX		
A1-7	245 kV 4000 A 50 kA GCB 3 pole trip as per Ratings and Features RF CB8955(IEC)	3		THB	1,281,000.00		1,281,000.00	3,843,000.00			XXXXX	XXXXX		
A1-8	Steel Supporting Structure for CB8955(IEC)* for item no. A1-7	3		THB	41,535.00		41,535.00	124,605.00			XXXXX	XXXXX		
A1-9	Complete pole of Circuit Breaker for CB8955(IEC)	1		THB	249,000.00		249,000.00	249,000.00			XXXXX	XXXXX		
A1-10	Closing Coil for CB8955(IEC)	1		THB	2,751.00		2,751.00	2,751.00			XXXXX	XXXXX		
A1-11	Tripping Coil for CB8955(IEC)	1		THB	2,125.00		2,125.00	2,125.00			XXXXX	XXXXX		
A1-12	Maintenance closing device for CB8955(IEC)	1		THB	7,726.00		7,726.00	7,726.00			XXXXX	XXXXX		
A1-13	Cost of installation supervisor for item A1-1	12.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	85,860.00			
A1-14	Cost of installation supervisor for item A1-7	6.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	42,930.00			
					THB 12,306,019.00				Baht		128,790.00	Baht		
Total Price for Schedule A1														

*The design of supporting structures of circuit breaker shall be verified by circuit breaker manufacturer.

นางสุนิศา แยมอยู่

ทชตส-ท.

18 ก.ค. 2562

[Handwritten Signature]
20 ก.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Service of Installation Supervisor (Schedule A1)
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
A1-13	Cost of installation supervisor for item A1-1	12.00	Man day	THB	7,155.00	85,860.00		
A1-14	Cost of installation supervisor for item A1-7	6.00	Man day	THB	7,155.00	42,930.00		

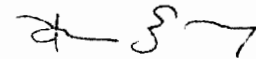
Note:

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.

นางสุนิศา แยมอยู่

หจตส-ท.

18 ก.ค. 2562


๑๓ ก.ค. ๖๒

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule B1 : 230 kV Power Circuit Breaker
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		Foreign Currency	Local Currency (excluding VAT) Baht		
					Foreign Supply				Local Supply				Amount	Amount
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount				
B1-1	245 kV 4000 A 50 kA GCB 3 pole trip as per Ratings and Features RF CB8955(IEC)	2		THB	1,281,000.00		1,281,000.00	2,562,000.00			XXXXX	XXXXX		
B1-2	Steel Supporting Structure for CB8955(IEC)* for item no. B1-1	2		THB	41,535.00		41,535.00	83,070.00			XXXXX	XXXXX		
B1-3	Complete pole of Circuit Breaker for CB8955(IEC)	1		THB	249,000.00		249,000.00	249,000.00			XXXXX	XXXXX		
B1-4	Closing Coil for CB8955(IEC)	1		THB	2,751.00		2,751.00	2,751.00			XXXXX	XXXXX		
B1-5	Tripping Coil for CB8955(IEC)	1		THB	2,125.00		2,125.00	2,125.00			XXXXX	XXXXX		
B1-6	Maintenance closing device for CB8955(IEC)	1		THB	7,726.00		7,726.00	7,726.00			XXXXX	XXXXX		
B1-7	Cost of installation supervisor for item B1-1	4.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	28,620.00			
				THB					2,906,672.00	Baht	28,620.00	Baht		
Total Price for Schedule B1														

*The design of supporting structures of circuit breaker shall be verified by circuit breaker manufacturer.

นางสุนิตา แยมอยู่

หจตส-ท.

18 ก.ค. 2562

20 มี.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Service of Installation Supervisor (Schedule B1)
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
B1-7	Cost of installation supervisor for item B1-1	4.00	Man day	THB	7,155.00	28,620.00		

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.


นางสุวิศา แย้มอยู่

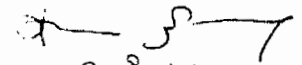
หจตส-ท.

18 ก.ค. 2562

**MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
 SUMMARY OF BID PRICE FOR SCHEDULE A2 AND B2
 SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
 TRANSMISSION SYSTEM EXPANSION PROJECT NO.12
 BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3**

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Foreign Currency
			CFR Thai Port	(excluding VAT)
			Amount	Amount
1	Schedule A2 : 115 kV Power Circuit Breaker	THB	10,042,220.00	47,772.00
2	Schedule B2 : 115 kV Power Circuit Breaker	THB	721,324.00	2,654.00
	BID PRICE	THB	10,763,544.00	50,426.00
	IMPORT DUTY	THB	51,605.32	
	CUSTOMS CLEARANCE	THB	64,581.27	
	VAT	THB	757,060.45	3,529.82
	SUMMARY OF BID PRICE	THB	11,636,791.04	53,955.82
	TOTAL MEDIUM COST		11,690,746.86	
	TOTAL MEDIUM COST (ROUNDED)		11,700,000.00	


 นางสุนิศา แยมอยู่
 ทชตส-ท.
 18 ก.ค. 2562


 20 มิ.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A2 : 115 kV Power Circuit Breaker
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		Foreign Currency	Local Currency (excluding VAT) Baht		
					Foreign Supply				Local Supply				Amount	Amount
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount				
A2-1	123 kV 3150 A 40 kA GCB as per Ratings and Features RF CB7846(IEC)	18		THB	522,000.00		522,000.00	9,396,000.00			XXXXX	XXXXX		
A2-2	Steel Supporting Structure for CB7846(IEC)* for item no. A2-1	18		THB	26,288.00		26,288.00	473,184.00			XXXXX	XXXXX		
A2-3	Complete pole of Circuit Breaker for CB7846(IEC)	1		THB	165,000.00		165,000.00	165,000.00			XXXXX	XXXXX		
A2-4	Closing Coil for CB7846(IEC)	1		THB	2,241.00		2,241.00	2,241.00			XXXXX	XXXXX		
A2-5	Tripping Coil for CB7846(IEC)	1		THB	2,241.00		2,241.00	2,241.00			XXXXX	XXXXX		
A2-6	Maintenance closing device for CB7846(IEC)	1		THB	3,554.00		3,554.00	3,554.00			XXXXX	XXXXX		
A2-7	Cost of installation supervisor for item A2-1 Equipments which shall be used together as a complete set referring to Article relevant to Liquidated Damages for Late Delivery of Equipment are item nos. A2-1 with A2-2.	18.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	47,772.00			
Total Price for Schedule A2				THB	10,042,220.00				Baht			47,772.00	Baht	

*The design of supporting structures of circuit breaker shall be verified by circuit breaker manufacturer.

นางสุนิศา แยมอญ
 ทชตส-ท.
 18 ก.ค. 2562

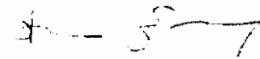
(Handwritten signature)
 20 มิ.ย. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Service of Installation Supervisor (Schedule A2)
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
A2-7	Cost of installation supervisor for item A2-1	18.00	Man day	THB	2,654.00	47,772.00		

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.


 20 มิ.ย. 62

นางสุนิศา แยมอยู่
 หจตส-ท.
 18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04

Schedule B2 : 115 kV Power Circuit Breaker

SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH

BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		Foreign Currency	Local Currency		
					Foreign Supply				Local Supply				Amount	Amount
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount				
B2-1	123 kV 3150 A 40 kA GCB as per Ratings and Features RF CB7846(IEC)	1		THB *	522,000.00		522,000.00	522,000.00			XXXXX	XXXXX		
B2-2	Steel Supporting Structure for CB7846(IEC)* for item no. B2-1	1		THB	26,288.00		26,288.00	26,288.00			XXXXX	XXXXX		
B2-3	Complete pole of Circuit Breaker for CB7846(IEC)	1		THB	165,000.00		165,000.00	165,000.00			XXXXX	XXXXX		
B2-4	Closing Coil for CB7846(IEC)	1		THB	2,241.00		2,241.00	2,241.00			XXXXX	XXXXX		
B2-5	Tripping Coil for CB7846(IEC)	1		THB	2,241.00		2,241.00	2,241.00			XXXXX	XXXXX		
B2-6	Maintenance closing device for CB7846(IEC)	1		THB	3,554.00		3,554.00	3,554.00			XXXXX	XXXXX		
B2-7	Cost of installation supervisor for item B2-1	1.00	Man day	THB	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	2,654.00			
				THB	721,324.00				Baht		2,654.00	Baht		
Total Price for Schedule B2														

*The design of supporting structures of circuit breaker shall be verified by circuit breaker manufacturer.

นางสุนิศา แยมอยู่
หจตส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Service of Installation Supervisor (Schedule B2)
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
B2-7	Cost of installation supervisor for item B2-1	1.00	Man day	THB	2,654.00	2,654.00		

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.

นางสุนิศา แยมอยู่
 หจก.ส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
SUMMARY OF BID PRICE FOR SCHEDULE A3 AND B3
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12
BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule A3 : 230 kV and 115 kV Disconnecting Switch	THB	20,262,303.00	5,914,982.00
2	Schedule B3 : 230 kV and 115 kV Disconnecting Switch	THB	2,871,000.00	854,220.00
	BID PRICE	THB	23,133,303.00	6,769,202.00
	IMPORT DUTY	THB		
	CUSTOMS CLEARANCE	THB	138,799.82	
	VAT	THB	1,619,331.21	473,844.14
	SUMMARY OF BID PRICE	THB	24,891,434.03	7,243,046.14
	TOTAL MEDIUM COST		32,134,480.17	
	TOTAL MEDIUM COST (ROUNDED)		32,100,000.00	

m
นางสุนิศา แยมอยู่
ทชตส-ท.

18 ก.ค. 2562

** 3 7*
20 ก.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A3 : 230 kV and 115 kV Disconnecting Switch
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
A3-1	245 kV 4000A air switch (high creepage) manually gang operated as per Ratings and Features RF DS89BH(IEC) (Phase spacing = 3.50 m.)	3		THB	403,000.00		403,000.00	1,209,000.00		
A3-2	245 kV 3150 A air switch with grounding blade manually gang operated as per Ratings and Features RF DS88B2(IEC) (Phase spacing = 3.50 m.)	4		THB	485,000.00		485,000.00	1,940,000.00		
A3-3	245 kV 3150 A air switch manually gang operated as per Ratings and Features RF DS88B1(IEC) (Phase spacing = 3.50 m.)	20		THB	403,000.00		403,000.00	8,060,000.00		
A3-4	123 kV 2000 A air switch manually gang operated as per Ratings and Features RF DS77B1(IEC) (Phase spacing = 2.25 m.)	31		THB	151,000.00		151,000.00	4,681,000.00		
A3-5	123 kV 2000 A air switch manually gang operated as per Ratings and Features RF DS77B1U(IEC) (Phase spacing = 2.25 m.) as per Dwg. BLG-S-4. See ST-TS-7-01 and ST-BB-7-01 for reference.	1		THB	587,010.00		587,010.00	587,010.00		
A3-6	123 kV 2000 A air switch with grounding blade manually gang operated as per Ratings and Features RF DS77B3(IEC) (Phase spacing = 2.25 m.)	3		THB	235,000.00		235,000.00	705,000.00		
A3-7	123 kV 3150 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS78BH(IEC) (Phase spacing = 2.25 m.)	4		THB	151,000.00		151,000.00	604,000.00		

นางสุนิศา แยมอยู่
ทชตส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A3 : 230 kV and 115 kV Disconnecting Switch
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
A3-8	123 kV 3150 A air switch (high creepage) with grounding blade manually gang operated as per Ratings and Features RF DS78BI(IEC) (Phase spacing = 2.25 m.)	3		THB	202,000.00		202,000.00	606,000.00		
A3-9	123 kV 2000 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS77BH(IEC) (Phase spacing = 2.25 m.)	7		THB	151,000.00		151,000.00	1,057,000.00		
A3-10	123 kV 2000 A air switch (high creepage) with grounding blade manually gang operated as per Ratings and Features RF DS77BJ(IEC) (Phase spacing = 2.25 m.)	3		THB	235,000.00		235,000.00	705,000.00		
A3-11	115 kV 40 kA 3 pole air grounding switch as per Ratings and Features RF GS71A1(IEC) (Phase spacing = 2.25 m.)	1		THB	108,293.00		108,293.00	108,293.00		
A3-12	Steel Supporting Structure for DS89BH (IEC) (for Item no. A3-1) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 6.00 m	3							115,474.00	346,422.00
A3-13	Steel Supporting Structure for DS88B2 (IEC) (for Item no. A3-2) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 6.00 m	4							115,474.00	461,896.00
A3-14	Steel Supporting Structure for DS88B1 (IEC) (for Item no. A3-3) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 6.00 m	20							115,474.00	2,309,480.00

นางสุนิศา แย้มอยู่

ทชตส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A3 : 230 kV and 115 kV Disconnecting Switch
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
							Unit Price	Unit Price	Unit Price	Amount
A3-15	Steel Supporting Structure for DS77B1 (IEC) (for Item no. A3-4) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	31							53,792.00	1,667,552.00
A3-16	Steel Supporting Structure for DS77B3 (IEC) (for Item no. A3-6) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	3							53,792.00	161,376.00
A3-17	Steel Supporting Structure for DS78BH (IEC) (for Item no. A3-7) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	4							53,792.00	215,168.00
A3-18	Steel Supporting Structure for DS78BI (IEC) (for Item no. A3-8) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	3							53,792.00	161,376.00
A3-19	Steel Supporting Structure for DS77BH (IEC) (for Item no. A3-9) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	7							53,792.00	376,544.00
A3-20	Steel Supporting Structure for DS77BJ (IEC) (for Item no. A3-10) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	3							53,792.00	161,376.00

นางสุนิศา แยมอยู่
 หจตส-ท.

18 ก.ค. 2562

20 มี.ค. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A3 : 230 kV and 115 kV Disconnecting Switch
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
A3-21	Steel Supporting Structure for GS71A1 (IEC) (for Item no. A3-11) as per EGAT's Dwg. No. ST-GS-4-01 and SD-AB-0-01 , H = 5.30 m Equipments which shall be used together as a complete set referring to Article relevant to Liquidated Damages for Late Delivery of Equipment are item nos. A3-1 with A3-12, A3-2 with A3-13, A3-3 with A3-14, A3-4 with A3-15, A3-6 with A3-16, A3-7 with A3-17, A3-8 with A3-18, A3-9 with A3-19, A3-10 with A3-20, A3-11 with A3-21	1							53,792.00	53,792.00
Total Price for Schedule A3				THB			20,262,303.00	Baht		5,914,982.00

นางสุนิตา แยมอยู่
 ทชตส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04

Schedule B3 : 230 kV and 115 kV Disconnecting Switch

SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH

BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
B3-1	245 kV 3150 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS88BH(IEC) (Phase spacing = 3.50 m.)	6		THB	403,000.00		403,000.00	2,418,000.00		
B3-2	123 kV 2000 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS77BH(IEC) (Phase spacing = 2.25 m.)	1		THB	151,000.00		151,000.00	151,000.00		
B3-3	123 kV 2000 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS77BH(IEC) (Phase spacing = 2.25 m.)	2		THB	151,000.00		151,000.00	302,000.00		
B3-4	Steel Supporting Structure for DS88BH (IEC) (for Item no. B3-1) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 6.00 m	6							115,474.00	692,844.00
B3-5	Steel Supporting Structure for DS77BH (IEC) (for Item no. B3-2) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 5.30 m	1							53,792.00	53,792.00

นางสุนิศา แยม้อย
หจตส-ท.

18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04

Schedule B3 : 230 kV and 115 kV Disconnecting Switch

SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH

BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment		
					Foreign Supply				Local Supply		
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht		
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount	
B3-6	Steel Supporting Structure for DS77BH (IEC) (for Item no. B3-3) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01 , H = 7.30 m Equipments which shall be used together as a complete set referring to Article relevant to Liquidated Damages for Late Delivery of Equipment are item nos. B3-1 with B3-4, B3-2 with B3-5, B3-3 with B3-6	2							53,792.00	107,584.00	
Total Price for Schedule B3				THB				2,871,000.00		Baht	
										854,220.00	

นางสุนิศา แยมอยู่
หจตส-ท.

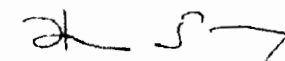
18 ก.ค. 2562

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
 SUMMARY OF BID PRICE FOR SCHEDULE A4
 SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
 TRANSMISSION SYSTEM EXPANSION PROJECT NO.12
 BULK POWER SUPPLY FOR THE GREATER BANGKOK AND VICINITY AREA PHASE 3


No.	Description	Currency	Supply of Equipment
			Foreign Supply
			CFR Thai Port
			Amount
1	Schedule A4 : 33 kV and below Disconnecting Switch	THB	1,244,744.00
	BID PRICE	THB	1,244,744.00
	IMPORT DUTY	THB	87,218.15
	CUSTOMS CLEARANCE	THB	7,468.46
	VAT	THB	93,237.35
	SUMMARY OF BID PRICE	THB	1,432,667.96
	TOTAL MEDIUM COST		1,432,667.96
	TOTAL MEDIUM COST (ROUNDED)		1,430,000.00

นางสุนิศา แยมอยู่
 หจตส-ท.

18 ก.ค. 2562


 20 มิ.ย. 62

MEDIUM COST FOR BID NO. TS12-MJ2-05 and GBA3-MJ2-04
Schedule A4 : 33 kV and below Disconnecting Switch
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
A4-1	38 kV 1600 A 20 kA air switch vertical break manually gang operated as per Ratings and Features RF DS36D1(IEC) (Phase spacing = 1.00 m, H = 5.50 m form base plate to top terminal)	1		THB	159,000.00		159,000.00	159,000.00		
A4-2	27 kV 1600 A 20 kA air switch vertical break manually gang operated as per Ratings and Features RF DS26D3(IEC) (Phase spacing = 1.00 m, H = 7.50 m form base plate to top terminal)	1		THB	143,000.00		143,000.00	143,000.00		
A4-3	27 kV 1600 A 20 kA air switch 1 pole vertical break hook operated as per Ratings and Features RF DS26E3(IEC) (Phase spacing = 1.00 m)	33		THB	28,568.00		28,568.00	942,744.00		
Total Price for Schedule A4				THB			1,244,744.00	Baht	 นางสุนิศา แยมอยู่ หจตส-ท.	

18 ก.ค. 2562

Important Information
for
Invitation to Bid No. TS12-MJ2-05 and GBA3-MJ2-04

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 F-8. Payment:

If the Contractor requires the payment of foreign currency portion to be paid directly to the suppliers, he has to inform EGAT **which portion of the Contract Price, as stipulated in the term of payment of the Contract**, to be paid accordingly.

In case the local Contractor requires foreign currency or currencies to be paid directly to him, payment of such foreign currency or currencies will be made to the local Contractor in Thai Baht by using the **selling exchange rate** published by the Bank of Thailand on the **payment date** (previously stated as buying exchange rate on the bid opening date).

The number of days which payment for the first portion of foreign supply will be made after delivery, previously specified as 45 days, has been **deleted**.

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

The limit of liquidated damages, previously specified that does not exceed 10%, has been **deleted**.

DATA SHEET

for

Invitation to Bid No. TS12-MJ2-05 and GBA3-MJ2-04

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

Article B-3. Bid Security

Schedule Nos. A1 and B1

The amount of bid security shall be USD 26,590.- or THB 830,000.-.

Schedule Nos. A2 and B2

The amount of bid security shall be USD 18,740.- or THB 585,000.-.

Schedule Nos. A3 and B3

The amount of bid security shall be USD 51,410.- or THB 1,605,000.-.

Schedule A4

The amount of bid security shall be USD 2,300.- or THB 71,500.-.

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-8. Information to be Submitted with Bid:

Item m. is not applicable

Article B-12. Evaluation and Comparison of Bids:

The evaluation of bid prices shall be on :

- combination of Schedules A1 and B1
- combination of Schedules A2 and B2
- combination of Schedules A3 and B3
- schedule basis for Schedule A4

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
- <u>For Shunt Reactor, 200 MVA 230 kV and above Power Transformer and 500 kV System Voltage Equipment</u>	

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

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.

INVITATION TO BID NO. TS12-MJ2-05 and GBA3-MJ2-04

**SUPPLY OF POWER CIRCUIT BREAKER AND
DISCONNECTING SWITCH**

TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

**BULK POWER SUPPLY FOR THE GREATER BANGKOK AND
VICINITY AREA PHASE 3**

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of Power Circuit Breaker and Disconnecting Switch under Transmission System Expansion Project No. 12 and Bulk Power Supply for The Greater Bangkok and Vicinity Area Phase 3 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 shall be a purchaser of the bidding documents from EGAT. For a joint venture or consortium, only one (1) member of the joint venture or consortium is required to purchase the bidding documents.

In the case where the Bidder is not the purchaser of the bidding documents, the purchaser shall notify EGAT of the name of the Bidder in writing *prior to the bid opening*.

- 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 Office of the Prime Minister 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 the 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 one of the following qualifications for the required Equipment as follows:

5.1 Proposing the Equipment of the type and ratings which have ever been accepted by EGAT.

OR

5.2 For 230 kV Power Circuit Breaker

Having a supply record of Equipment of the type proposed at nominal system voltage of 220 kV or above, 3000 A or above, 50 kA or above, with successful operation/use of at least three (3) consecutive years in an overseas country (not his own country) and at least three (3) three phase sets.

However, the Equipment of the type and ratings proposed shall have a supply record of successful operation/use of at least three (3) consecutive years in overseas country (not his own country) and at least one (1) three phase set.

In case that the supply record of Equipment of the type and ratings proposed fulfilled the requirement, the manufacturer may propose a newly developed or modified type of such Equipment with successful operation/use for at least one (1) year in overseas country (not his own country) and at least three (3) three phase sets. The detailed information of the development or modification shall be submitted with his proposal. EGAT, however, reserves the right and will make its own judgment whether or not to consider or accept the proposed developed or modified type.

For 115 kV Power Circuit Breaker

Having a supply record of Equipment of the type proposed at nominal system voltage of 110 kV or above, 2000 A or above, 40 kA or above, with successful operation/use of at least three (3) consecutive years in an overseas country (not his own country) and at least three (3) three phase sets.

However, the Equipment of the type and ratings proposed shall have a supply record of successful operation/use of at least three (3) consecutive years in overseas country (not his own country) and at least one (1) three phase set.

In case that the supply record of Equipment of the type and ratings proposed fulfilled the requirement, the manufacturer may propose a newly developed or modified type of such Equipment with successful operation/use for at least one (1) year in overseas country (not his own country) and at least three (3) three phase sets. The detailed information of the development or modification shall be submitted with his proposal. EGAT, however, reserves the right and will make its own judgment whether or not to consider or accept the proposed developed or modified type.

For 69 kV and below Power Circuit Breaker

Having a supply record of Equipment of the type and ratings proposed with successful operation/use of at least three (3) consecutive years in an overseas country (not his own country) and at least three (3) three phase sets. The ratings and features of Equipment shall be the same or similar rating as EGAT specifies.

In case that the supply record of Equipment of the type and ratings proposed fulfilled the requirement, the manufacturer may propose a newly developed or modified type of such Equipment with successful operation/use of at least one (1) year in overseas country (not his own country) and at least three (3) three phase sets. The detailed information of the development or modification shall be submitted with his proposal.

EGAT, however, reserves the right and will make its own judgment whether or not to consider or accept the proposed developed or modified type.

Supply records of the higher rating Equipment shall not be accepted if the Bidder does not propose such higher rating Equipment in his bid.

For 230 kV and below Disconnecting Switch

Having a supply record of Equipment of the type and ratings proposed with successful operation/use for at least three (3) consecutive years in an overseas country (not his own country) and at least three (3) three phase sets. The ratings and features of Equipment shall be the same or similar rating as EGAT specifies.

In case that the supply record of Equipment of the type and ratings proposed fulfilled the requirement, the manufacturer may propose a newly developed or modified type of such Equipment with successful operation/use for at least one (1) year in overseas country (not his own country) and at least three (3) three phase sets. The detailed information of the development or modification shall be submitted with his proposal. EGAT, however, reserves the right and will make its own judgment whether or not to consider or accept the proposed developed or modified type.

Supply records of the higher rating Equipment shall not be accepted if the Bidder does not propose such higher rating Equipment in his bid.

6. Having a past design test record of the Equipment as proposed, if specified in EGAT's specification. Such past design test record shall conform to the test specified in EGAT's specification.
7. Proposing the manufacturer who has no just or proper claims pending 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 requirements; failure to so comply may constitute sufficient ground for rejection.

- a. Proposing the steel supporting structure of Disconnecting Switch manufactured by local manufacturers.