

## Notice to Bidder

### Subject : Online Payment for Purchase of Bidding Documents

Due to the outbreak of COVID-19 in Thailand, please be informed of the online payment for purchase of bidding documents as follows:

- 1) 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, Bangkrui Branch, Nonthaburi.

All bank charges and fees incurred by the payment of bidding documents shall be under the buyer's responsibility.

- 2) Download the Registration Form and fill out all necessary information by typing. (Complete data is required.)
- 3) Submit the fill-out Registration Form and the proof of payment from 1) to the email address of the in-charge officer and [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th) in the CC. before 15.00 hrs. Bangkok Standard Time.
- 4) After the payment has been verified for approximately 3 working days, the in-charge officer will send the link for downloading the bidding documents together with the receipt to the purchaser's email address in the Registration Form.

***\*\* Please note that this online payment process is a temporary measure due to the COVID-19 outbreak. The online payment process will be available until further notice from EGAT \*\****

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# Registration Form

Invitation to Bid No. TS12-MJ2-11 and THKP-MJ2-01

Supply of Power Circuit Breaker and Disconnecting Switch

Transmission System Expansion Project No. 12

Long-Term Transmission System Investment Plan for Hin Kong Power Plant

Available Duration for Purchasing : March 14, 2022 - May 3, 2022

Price of Bidding Documents : USD 10.- or THB 300.-

### Instructions

- 1) 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.
- 2) Fill out this Registration Form in English by typing. (Complete data is required.)
- 3) Submit the filled-out Registration Form and the proof of payment to the in-charge officer via email (with cc. procurement.tse@egat.co.th) before 15.00 hrs. Bangkok Standard Time.
- 4) The in-charge officer will send the link for downloading the bidding documents together with the receipt to the purchaser's email address in the Registration Form, which will take approximately 3 working days.

<b>For Purchaser</b>			TAX ID :
No.	Receipt No. :	Date :	
Bidder's Name			
Address			
		Country :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
Local Representative			
Address			
		Tax ID :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
<b>For Procurement Officer</b>		<b>Change of Bidder's Name</b>	<b>TAX ID :</b>
Bidder's Letter No. :			Dated :
New Bidder's Name			
Address			
		Country :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
<b>Contact Information of In-charge Officer</b>			
Name	Mr. Jatuphon Poleewatana		
Email address	jatuphon.p@egat.co.th		
Telephone No.	66 2436 3341		
Mobile No.	669 2824 1942		



**Invitation to Bid No. TS12-MJ2-11 and THKP-MJ2-01**  
**Supply of Power Circuit Breaker and Disconnecting Switch**  
**Transmission System Expansion Project No. 12**  
**Long-Term Transmission System Investment Plan for Hin Kong Power Plant**

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) :**

Schedules A1 and B1 : 230 kV Power Circuit Breaker	THB	40,900,000.-
Schedule A2 : 115 kV Power Circuit Breaker	THB	49,500,000.-
Schedule A3 : 115 kV Power Circuit Breaker for Capacitive Current Switching	THB	3,380,000.-
Schedule A4 : 22 kV Power Circuit Breaker	THB	2,140,000.-
Schedule A5 : 230 kV and 115 kV Disconnecting Switch	THB	58,200,000.-
and Schedule B2 : 230 kV Disconnecting Switch		
Schedule A6 : 22 kV Disconnecting Switch	THB	2,600,000.-

**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 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 March 14, 2022 to May 3, 2022 at USD 10.- or THB 300.- per copy, non-refundable, at the following address :

International Procurement Department - Transmission Segment  
**(Room No. 301, 3<sup>rd</sup> Floor, Tor 082 Building)**  
Procurement and Inventory Management Division  
Electricity Generating Authority of Thailand  
Bangkrui, Nonthaburi 11130, Thailand  
Telephone no. 66 2436 0341  
E-mail : procurement.tse@egat.co.th

Please find more details and download Registration Form for purchasing Bidding Documents at <http://www4.egat.co.th/fprocurement/biddingeng/>.

*Kamika Daechalapat*

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, Bangkruai Branch, Nonthaburi. All bank charges and fees incurred by the payment of bidding documents shall be under the buyer's responsibility.

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 *Bidding Room, 1<sup>st</sup> Floor, Tor 082 Building* during 9:30 hrs. to 10:00 hrs., Bangkok Standard Time, May 12, 2022 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

March 7, 2022



(Mrs. Kannika Dhachalapat)  
Chief, International Procurement Department -  
Transmission Segment



## ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

### เรื่อง ประกวดราคาซื้อ เลขที่ TS12-MJ2-11 and THKP-MJ2-01

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Power Circuit Breaker and Disconnecting Switch สำหรับโครงการขยายระบบส่งไฟฟ้าระยะที่ 12 และแผนงานปรับปรุงระบบส่งไฟฟ้าสำหรับโรงไฟฟ้าของบริษัท หินกอง เพาเวอร์ จำกัด โดยใช้งบประมาณ กฟผ.

**สถานที่ส่งมอบ :** ท่าเรือกรุงเทพฯ / หน้าโรงงานผู้ผลิต

**ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) :**

Schedules A1 and B1 : 230 kV Power Circuit Breaker	40,900,000.- บาท
Schedule A2 : 115 kV Power Circuit Breaker	49,500,000.- บาท
Schedule A3 : 115 kV Power Circuit Breaker for Capacitive Current Switching	3,380,000.- บาท
Schedule A4 : 22 kV Power Circuit Breaker	2,140,000.- บาท
Schedule A5 : 230 kV and 115 kV Disconnecting Switch and Schedule B2 : 230 kV Disconnecting Switch	58,200,000.- บาท
Schedule A6 : 22 kV Disconnecting Switch	2,600,000.- บาท

#### คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุดำเนินการและต้องไม่เป็นผู้ที่ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง 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. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

#### การขายเอกสารประกวดราคา

ผู้สนใจติดต่อขอทราบรายละเอียด เพื่อตรวจสอบคุณสมบัติของผู้เสนอราคา และขอซื้อเอกสารประกวดราคา ในราคาชุดละ 300.- บาท ได้ที่ แผนกจัดซื้อต่างประเทศสายงานระบบส่ง (ห้อง 301 ชั้น 3 อาคารฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ ท.082) กองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง ฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนครพนธ์ ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 14 มีนาคม 2565 ถึงวันที่ 3 พฤษภาคม 2565 หรือสอบถามทางโทรศัพท์ หมายเลข 0 2436 0341 หรืออีเมล [procurement.tse@egat.co.th](mailto:procurement.tse@egat.co.th) ทั้งนี้ สามารถ download แบบฟอร์มลงทะเบียนผู้ซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng/>

กมลทิพย์ ชัยจุฑา

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา ในวันที่ 12 พฤษภาคม 2565 เวลา 09:30 น. ถึง 10:00 น. และเปิดซองประกวดราคา เวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 อาคารฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ ท.082 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 7 มีนาคม 2565

กรรณิกา ธชาลภูมิ

(นางกรรณิกา ธชาลภูมิ)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)  
ในการจัดซื้อจัดจ้างที่มีไขงานก่อสร้าง

1. ชื่อโครงการ Bid No. TS12-MJ2-11 and THKP-MJ2-01  
งานจัดซื้อ Power Circuit Breaker and Disconnecting Switch  
โครงการขยายระบบส่งไฟฟ้าระยะที่ 12  
แผนงานปรับปรุงระบบส่งไฟฟ้าสำหรับโรงไฟฟ้าของบริษัท หินกอง เพาเวอร์ จำกัด  
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
2. วงเงินงบประมาณที่ได้รับจัดสรร  
โครงการขยายระบบส่งไฟฟ้าระยะที่ 12 งบประมาณ 60,000 ล้านบาท  
แผนงานปรับปรุงระบบส่งไฟฟ้าสำหรับโรงไฟฟ้าของบริษัท หินกอง เพาเวอร์ จำกัด  
งบประมาณ 165 ล้านบาท
3. วันที่กำหนดราคากลาง 3 กุมภาพันธ์ 2565 (วันที่ ชสพ. อนุมัติ )  
ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 156,720,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ
4. แหล่งที่มาของราคากลาง  
หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานระบบส่ง
5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง  
5.1 นางสาวมธุรส ชมาฤกษ์ วศ.10 กวอ-ส.  
5.2 นายโสฬสศักดิ์ บุชวงนกุล วศ.7 หอด-ส. กวอ-ส.  
หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อกรขาเข้า เป็นต้น

นางสาวหทัยภัทร พูนผลกุล  
หขตส-ท.

- 7 มี.ค. 2565

Medium cost for Bid No. TS12-MJ2-11 and THKP-MJ2-01

Schedule	Currency	Medium Cost* (Round)
A1 & B1	THB	40,900,000.00
A2	THB	49,500,000.00
A3	THB	3,380,000.00
A4	THB	2,140,000.00
A5 & B2	THB	58,200,000.00
A6	THB	2,600,000.00
<b>Summary Total Medium Cost</b>	<b>THB</b>	<b>156,720,000.00</b>

\*Includes VAT and other expenses

นางสาว พูนผลกุล  
นางสาวหทัยภัทร พูนผลกุล  
ทชตส-ท.  
- 7 มี.ค. 2565



**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**SUMMARY OF BID PRICE FOR SCHEDULE A1 and B1**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

No.	Description	Currency	Supply of Equipment		Foreign Currency ( excluding VAT ) Amount	Local Currency ( excluding VAT ) Baht Amount
			Foreign Supply	Local Supply		
			CFR Thai Port	Ex-works Price ( excluding VAT ) Baht		
			Amount	Amount		
1	Schedule A1 : 230 kV Power Circuit Breaker	THB	28,780,020.00		290,080.00	
2	Schedule B1 : 230 kV Power Circuit Breaker	THB	8,634,006.00		87,024.00	
	<b>BID PRICE</b>	<b>THB</b>	<b>37,414,026.00</b>		<b>377,104.00</b>	
	<b>IMPORT DUTY</b>	<b>THB</b>	<b>254,754.95</b>			
	<b>CUSTOM CLEARANCE</b>	<b>THB</b>	<b>224,484.16</b>			
	<b>VAT</b>	<b>THB</b>	<b>2,636,814.67</b>		<b>26,397.28</b>	
	<b>SUMMARY OF MEDIUM COST</b>	<b>THB</b>	<b>40,530,079.78</b>		<b>403,501.28</b>	
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A1 AND B1</b>	<b>THB</b>	<b>40,933,581.06</b>			
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A1 AND B1 (ROUND)</b>	<b>THB</b>	<b>40,900,000.00</b>			

หญิงกมลกร พูนผลกุล  
นางสาวทศภัทร พูนผลกุล  
ทชคส-น.

- 7 มี.ค. 2565

นางสุดารัตน์ ไชยพันธุ์  
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

04 Feb 2022

**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**SUMMARY OF BID PRICE FOR SCHEDULE A2**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

No.	Description	Currency	Supply of Equipment		Foreign Currency ( excluding VAT ) Amount	Local Currency ( excluding VAT ) Baht Amount
			Foreign Supply	Local Supply		
			CFR Thai Port	Ex-works Price ( excluding VAT ) Baht		
			Amount	Amount		
1	Schedule A2 : 115 kV Power Circuit Breaker	THB	45,192,184.00		284,392.00	
	<b>BID PRICE</b>	<b>THB</b>	<b>45,192,184.00</b>		<b>284,392.00</b>	
	<b>IMPORT DUTY</b>	<b>THB</b>	<b>517,692.89</b>			
	<b>CUSTOM CLEARANCE</b>	<b>THB</b>	<b>271,153.10</b>			
	<b>VAT</b>	<b>THB</b>	<b>3,199,691.38</b>		<b>19,907.44</b>	
	<b>SUMMARY OF MEDIUM COST</b>	<b>THB</b>	<b>49,180,721.37</b>		<b>304,299.44</b>	
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A2</b>	<b>THB</b>	<b>49,485,020.81</b>			
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A2 (ROUND)</b>	<b>THB</b>	<b>49,500,000.00</b>			

สุวิมล พูลผลกุล

นางสาวหทัยภัทร พูนผลกุล  
พชตส-น.

- 7 มี.ค. 2565


นางสุตารัตน์ ไชยพันธ์  
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

04 Feb 2022

**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**SUMMARY OF BID PRICE FOR SCHEDULE A3**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

No.	Description	Currency	Supply of Equipment		Foreign Currency ( excluding VAT ) Amount	Local Currency ( excluding VAT ) Baht Amount
			Foreign Supply	Local Supply		
			CFR Thai Port	Ex-works Price ( excluding VAT ) Baht		
			Amount	Amount		
1	Schedule A3 : 115 kV Power Circuit Breaker for Capacitive Current Switching	THB	3,107,970.00		11,226.00	
<b>BID PRICE</b>		<b>THB</b>	<b>3,107,970.00</b>		<b>11,226.00</b>	
<b>IMPORT DUTY</b>		<b>THB</b>	<b>20,435.25</b>			
<b>CUSTOM CLEARANCE</b>		<b>THB</b>	<b>18,647.82</b>			
<b>VAT</b>		<b>THB</b>	<b>218,988.37</b>		<b>785.82</b>	
<b>SUMMARY OF MEDIUM COST</b>		<b>THB</b>	<b>3,366,041.44</b>		<b>12,011.82</b>	
<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A3</b>		<b>THB</b>	<b>3,378,053.26</b>			
<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A3 (ROUND)</b>		<b>THB</b>	<b>3,380,000.00</b>			

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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**SUMMARY OF BID PRICE FOR SCHEDULE A4**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule A4 : 22 kV Power Circuit Breaker	THB	1,813,004.00	
	<b>BID PRICE</b>	<b>THB</b>	<b>1,813,004.00</b>	
	<b>IMPORT DUTY</b>	<b>THB</b>	<b>181,410.88</b>	
	<b>CUSTOM CLEARANCE</b>	<b>THB</b>	<b>10,878.02</b>	
	<b>VAT</b>	<b>THB</b>	<b>139,609.04</b>	
	<b>SUMMARY OF MEDIUM COST</b>	<b>THB</b>	<b>2,144,901.94</b>	
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A4</b>	<b>THB</b>	<b>2,144,901.94</b>	
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A4 (ROUND)</b>	<b>THB</b>	<b>2,140,000.00</b>	

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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**SUMMARY OF BID PRICE FOR SCHEDULE A5 and B2**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price ( excluding VAT ) Baht
			Amount	Amount
1	Schedule A5 : 230 kV and 115 kV Disconnecting Switch	THB	41,894,370.00	4,257,693.00
2	Schedule B2 : 230 kV Disconnecting Switch	THB	6,572,488.00	1,370,922.00
	<b>BID PRICE</b>	<b>THB</b>	<b>48,466,858.00</b>	<b>5,628,615.00</b>
	<b>IMPORT DUTY</b>	<b>THB</b>		
	<b>CUSTOM CLEARANCE</b>	<b>THB</b>	<b>290,801.15</b>	
	<b>VAT</b>	<b>THB</b>	<b>3,392,680.06</b>	<b>394,003.05</b>
	<b>SUMMARY OF MEDIUM COST</b>	<b>THB</b>	<b>52,150,339.21</b>	<b>6,022,618.05</b>
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A5 AND B2</b>	<b>THB</b>	<b>58,172,957.26</b>	
	<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A5 AND B2 (ROUND)</b>	<b>THB</b>	<b>58,200,000.00</b>	

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## MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01

## SUMMARY OF BID PRICE FOR SCHEDULE A6

## SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH

## TRANSMISSION SYSTEM EXPANSION PROJECT NO.12

## LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT

No.	Description	Currency	Supply of Equipment
			Foreign Supply
			CFR Thai Port
			Amount
1	Schedule A6 : 22 kV Disconnecting Switch	THB	2,256,834.00
<b>BID PRICE</b>		<b>THB</b>	<b>2,256,834.00</b>
<b>IMPORT DUTY</b>		<b>THB</b>	<b>158,074.65</b>
<b>CUSTOM CLEARANCE</b>		<b>THB</b>	<b>13,541.00</b>
<b>VAT</b>		<b>THB</b>	<b>169,043.61</b>
<b>SUMMARY OF MEDIUM COST</b>		<b>THB</b>	<b>2,597,493.26</b>
<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A6</b>		<b>THB</b>	<b>2,597,493.26</b>
<b>SUMMARY OF MEDIUM COST FOR SCHEDULE A6 (ROUND)</b>		<b>THB</b>	<b>2,600,000.00</b>

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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**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		
					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	Amount	Amount							
A1-1	Reference : Specification No. 156 245 kV 4000 A 50 kA GCB 1&3 pole trip as per Ratings and Features RF CB8951(IEC)	10		THB	1,341,078.00		1,341,078.00	13,410,780.00			XXXXXX	XXXXXX		
A1-2	245 kV 4000 A 50 kA GCB 3 pole trip as per Ratings and Features RF CB8955(IEC)	10		THB	1,341,078.00		1,341,078.00	13,410,780.00			XXXXXX	XXXXXX		
A1-3	Steel Supporting Structure for CB8951(IEC)*	10		THB	97,923.00		97,923.00	979,230.00			XXXXXX	XXXXXX		
A1-4	Steel Supporting Structure for CB8955(IEC)*	10		THB	97,923.00		97,923.00	979,230.00			XXXXXX	XXXXXX		
A1-5	Cost of installation supervisor for item A1-1	20.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	145,040.00			
A1-6	Cost of installation supervisor for item A1-2	20.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	145,040.00			
	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. A1-1 with A1-3 and A1-2 with A1-4													
<b>Total Price for Schedule A1</b>				<b>THB</b>	<b>28,780,020.00</b>				<b>Baht</b>			<b>290,080.00</b>	<b>Baht</b>	

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



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**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
A1-5	Cost of installation supervisor for item A1-1	20.00	Man day	THB	7,252.00	145,040.00		
A1-6	Cost of installation supervisor for item A1-2	20.00	Man day	THB	7,252.00	145,040.00		

Note:

- 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.
- In addition to the quoted total man-days above, EGAT will also pay the following :
  - 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.
  - Airfares round trip economy class between the Supervisor 's home office and Bangkok by the most expeditious and direct route.
- Local transportation from and to installation site will be provided by EGAT.
- If the working man-days are less than the quoted total man-days, the payment shall be on the basis of actual man-days.
- For man-days exceeding the quoted total amount, no payment shall be made by EGAT. Any such additional man-days approved by EGAT shall be paid on the quoted man-days rate.



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**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
					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	Amount	Amount					
A2-1	Reference : Specification No. 156 123 kV 3150 A 40 kA GCB as per Ratings and Features RF CB7846(IEC)	76		THB	526,558.00		526,558.00	40,018,408.00			XXXXXX	XXXXXX
A2-2	Steel Supporting Structure for CB7846(IEC)*	76		THB	68,076.00		68,076.00	5,173,776.00			XXXXXX	XXXXXX
A2-3	Cost of installation supervisor for item A2-1	76.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	284,392.00	
	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											
<b>Total Price for Schedule A2</b>					<b>THB 45,192,184.00</b>				<b>Baht</b>		<b>284,392.00</b>	<b>Baht</b>

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

  
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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**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
A2-3	Cost of installation supervisor for item A2-1	76.00	Man day	THB	3,742.00	284,392.00		

Note:

1. The quoted total man-days for installation supervisor shall be the required number of days for complete installation, erection, field test and commissioning of all equipment as specified.
2. In addition to the quoted total man-days above, EGAT will also pay the following :
  - a. Travelling time from and to Supervisor's home office as well as travelling time from and to the installation site including ten (10) working days of operation, if any, which will be at the same rate as the cost quoted per man-day.
  - b. Airfares round trip economy class between the Supervisor 's home office and Bangkok by the most expeditious and direct route.
3. Local transportation from and to installation site will be provided by EGAT.
4. If the working man-days are less than the quoted total man-days, the payment shall be on the basis of actual man-days.
5. For man-days exceeding the quoted total amount, no payment shall be made by EGAT. Any such additional man-days approved by EGAT shall be paid on the quoted man-days rate.



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule A3 : 115 kV Power Circuit Breaker for Capacitive Current Switching**  
**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
					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	Amount	Amount					
A3-1	Reference : Specification No. 156 123 kV 3150 A 40 kA GCB for capacitive current switching as per Ratings and Features RF CB784S(IEC)	3		THB	967,914.00		967,914.00	2,903,742.00			XXXXXX	XXXXXX
A3-2	Steel Supporting Structure for CB784S(IEC)*	3		THB	68,076.00		68,076.00	204,228.00			XXXXXX	XXXXXX
A3-3	Cost of installation supervisor for item A3-1	3.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	11,226.00	
	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 A3-2											
<b>Total Price for Schedule A3</b>					<b>THB 3,107,970.00</b>				<b>Baht</b>		<b>11,226.00</b>	<b>Baht</b>

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

  
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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01  
Service of Installation Supervisor (Schedule A3)  
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
A3-3	Cost of installation supervisor for item A3-1	3.00	Man day	THB	3,742.00	11,226.00		

Note:

1. The quoted total man-days for installation supervisor shall be the required number of days for complete installation, erection, field test and commissioning of all equipment as specified.
2. In addition to the quoted total man-days above, EGAT will also pay the following :
  - a. Travelling time from and to Supervisor's home office as well as travelling time from and to the installation site including ten (10) working days of operation, if any, which will be at the same rate as the cost quoted per man-day.
  - b. Airfares round trip economy class between the Supervisor 's home office and Bangkok by the most expeditious and direct route.
3. Local transportation from and to installation site will be provided by EGAT.
4. If the working man-days are less than the quoted total man-days, the payment shall be on the basis of actual man-days.
5. For man-days exceeding the quoted total amount, no payment shall be made by EGAT. Any such additional man-days approved by EGAT shall be paid on the quoted man-days rate.



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule A4 : 22 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 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	Reference : Specification No. 156 27 kV 1600 A 25 kA Vacuum Circuit Breaker 3 pole as per Rating and Features RF CB2622(IEC)	4		THB	444,634.00		444,634.00	1,778,536.00		
A4-2	Steel Supporting Structure for CB2622(IEC)*	4		THB	8,617.00		8,617.00	34,468.00		
	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. A4-1 with A4-2									
<b>Total Price for Schedule A4</b>				<b>THB</b>	<b>1,813,004.00</b>			<b>Baht</b>		

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



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule A5 : 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
A5-1	Reference : Specification No. 202 245 kV 4000 A air switch (high creepage) motor operated as per Ratings and Features RF DS89AH(IEC) (Phase spacing = 3.50 m.)	3		THB	528,806.00		528,806.00	1,586,418.00		
A5-2	245 kV 4000A air switch (high creepage) manually gang operated as per Ratings and Features RF DS89BH(IEC) (Phase spacing = 3.50 m.)	20		THB	406,774.00		406,774.00	8,135,480.00		
A5-3	245 kV 4000A air switch (high creepage) with grounding blade manually gang operated as per Ratings and Features RF DS89BI(IEC) (Phase spacing = 3.50 m.)	8		THB	626,187.00		626,187.00	5,009,496.00		
A5-4	123 kV 2000 A air switch (high creepage) manually gang operated as per Ratings and Features RF DS77BH(IEC) (Phase spacing = 2.25 m.)	86		THB	253,485.00		253,485.00	21,799,710.00		
A5-5	123 kV 2000 A air switch (high creepage) with grounding blade manually gang operated as per Ratings and Features RF DS77BI(IEC) (Phase spacing = 2.25 m.)	13		THB	361,814.00		361,814.00	4,703,582.00		
A5-6	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.)	2		THB	329,842.00		329,842.00	659,684.00		
A5-7	Steel Supporting Structure for DS89AH(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 6.00 m	3			XXXXX	XXXXX	XXXXX	XXXXX	97,923.00	293,769.00
A5-8	Steel Supporting Structure for DS89BH(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 6.00 m	20			XXXXX	XXXXX	XXXXX	XXXXX	97,923.00	1,958,460.00
A5-9	Steel Supporting Structure for DS89BI(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 6.00 m	8			XXXXX	XXXXX	XXXXX	XXXXX	97,923.00	783,384.00

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- Project 1-C8 -

filename : Medium\_TS12-MJ2-11 and THKP-MJ2-01 (TS12)

**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule A5 : 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
A5-10	Steel Supporting Structure for DS77BH(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 5.30 m	14			XXXXX	XXXXX	XXXXX	XXXXX	61,104.00	855,456.00
A5-11	Steel Supporting Structure for DS77BI(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 5.30 m	4			XXXXX	XXXXX	XXXXX	XXXXX	61,104.00	244,416.00
A5-12	Steel Supporting Structure for DS77BJ(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 5.30 m	2			XXXXX	XXXXX	XXXXX	XXXXX	61,104.00	122,208.00
	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. A5-1 with A5-7, A5-2 with A5-8, A5-3 with A5-9, A5-4 with A5-10, A5-5 with A5-11 and A5-6 with A5-12									
<b>Total Price for Schedule A5</b>					<b>THB</b>	<b>41,894,370.00</b>		<b>Baht</b>	<b>4,257,693.00</b>	

  
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 04 Feb 2022

ทศกัญญา พงษ์กุล  
 นางสาวทศกัญญา พงษ์กุล  
 หจกส-ท.  
 - 7 มี.ค. 2565

**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule A6 : 22 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			
					Foreign Supply			
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port	
					Unit Price	Unit Price	Unit Price	Amount
A6-1	Reference : Specification No. 202 27 kV 1600 A 20 kA air switch 1 pole vertical break hook operated as per Ratings and Features RF DS26E3(IEC)	30		THB	39,405.00		39,405.00	1,182,150.00
A6-2	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. from base plate to top terminal)	6		THB	179,114.00		179,114.00	1,074,684.00
<b>Total Price for Schedule A6</b>				<b>THB</b>	<b>2,256,834.00</b>			

  
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 หขตส-น.  
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MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01

Schedule B1 : 230 kV Power Circuit Breaker

SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH

LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT

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				
B1-1	Reference : Specification No. 156 245 kV 4000 A 50 kA GCB 1&3 pole trip as per Ratings and Features RF CB8951(IEC)	4		THB	1,341,078.00		1,341,078.00	5,364,312.00			XXXXXX	XXXXXX		
B1-2	245 kV 4000 A 50 kA GCB 3 pole trip as per Ratings and Features RF CB8955(IEC)	2		THB	1,341,078.00		1,341,078.00	2,682,156.00			XXXXXX	XXXXXX		
B1-3	Steel Supporting Structure for CB8951(IEC)*	4		THB	97,923.00		97,923.00	391,692.00			XXXXXX	XXXXXX		
B1-4	Steel Supporting Structure for CB8955(IEC)*	2		THB	97,923.00		97,923.00	195,846.00			XXXXXX	XXXXXX		
B1-5	Cost of installation supervisor for item B1-1	8.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	58,016.00			
B1-6	Cost of installation supervisor for item B1-2	4.00	Man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	29,008.00			
	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. B1-1 with B1-3 and B1-2 with B1-4													
<b>Total Price for Schedule B1</b>				<b>THB</b>				<b>8,634,006.00</b>	<b>Baht</b>		<b>87,024.00</b>	<b>Baht</b>		

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



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Service of Installation Supervisor (Schedule B1)**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
B1-5	Cost of installation supervisor for item B1-1	8.00	Man day	THB	7,252.00	58,016.00		
B1-6	Cost of installation supervisor for item B1-2	4.00	Man day	THB	7,252.00	29,008.00		

Note:

1. The quoted total man-days for installation supervisor shall be the required number of days for complete installation, erection, field test and commissioning of all equipment as specified.
2. In addition to the quoted total man-days above, EGAT will also pay the following :
  - a. Travelling time from and to Supervisor's home office as well as travelling time from and to the installation site including ten (10) working days of operation, if any, which will be at the same rate as the cost quoted per man-day.
  - b. Airfares round trip economy class between the Supervisor 's home office and Bangkok by the most expeditious and direct route.
3. Local transportation from and to installation site will be provided by EGAT.
4. If the working man-days are less than the quoted total man-days, the payment shall be on the basis of actual man-days.
5. For man-days exceeding the quoted total amount, no payment shall be made by EGAT. Any such additional man-days approved by EGAT shall be paid on the quoted man-days rate.



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**MEDIUM COST FOR BID NO. TS12-MJ2-11 and THKP-MJ2-01**  
**Schedule B2 : 230 kV Disconnecting Switch**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN FOR HIN KONG POWER PLANT**

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
B2-1	Reference : Specification No. 202 245 kV 4000A air switch (high creepage) manually gang operated as per Ratings and Features RF DS89BH(IEC) (Phase spacing = 3.50 m.)	10		THB	406,774.00		406,774.00	4,067,740.00		
B2-2	245 kV 4000A air switch (high creepage) with grounding blade manually gang operated as per Ratings and Features RF DS89BI(IEC) (Phase spacing = 3.50 m.)	4		THB	626,187.00		626,187.00	2,504,748.00		
B2-3	Steel Supporting Structure for DS89BH(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 6.00 m	10			XXXXXX	XXXXXX	XXXXXX	XXXXXX	97,923.00	979,230.00
B2-4	Steel Supporting Structure for DS89BI(IEC) as per EGAT's Dwg. No. ST-DS-4-01 and SD-AB-0-01, H = 6.00 m	4			XXXXXX	XXXXXX	XXXXXX	XXXXXX	97,923.00	391,692.00
	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. B2-1 with B2-3 and B2-2 with B2-4									
<b>Total Price for Schedule B2</b>					<b>THB</b>		<b>6,572,488.00</b>	<b>Baht</b>		<b>1,370,922.00</b>

  
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**Important Information**  
**for**  
**Invitation to Bid No. TS12-MJ2-11 and THKP-MJ2-01**

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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 B-12. Evaluation and Comparison of Bids**

The calculated insurance premium to be used for evaluation and comparison purpose has been revised from 0.0629% to **0.0554%**.

**Article E-13. Inspection and Tests**

Terms and conditions regarding inspection and tests have been revised.

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

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

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

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

# DATA SHEET

for

## Invitation to Bid No. TS12-MJ2-11 and THKP-MJ2-01

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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**

#### Schedules No. A1 and B1

The amount of bid security shall be USD 74,200.- or THB 2,462,500.-.

#### Schedules No. A5 and B2

The amount of bid security shall be USD 105,580.- or THB 3,504,000.-.

#### Schedule No. A2

The amount of bid security shall be USD 89,340.- or THB 2,965,000.-.

#### Schedule No. A3

The amount of bid security shall be USD 6,140.- or THB 203,500.-.

#### Schedule No. A4

The amount of bid security shall be USD 3,560.- or THB 118,000.-.

#### Schedule No. A6

The amount of bid security shall be USD 4,430.- or THB 147,000.-.

### **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

**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 A5 and B2
- schedule basis for Schedule A2
- schedule basis for Schedule A3
- schedule basis for Schedule A4
- schedule basis for Schedule A6

**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-MJ2-11 and THKP-MJ2-01**  
**SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH**  
**TRANSMISSION SYSTEM EXPANSION PROJECT NO.12**  
**LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN**  
**FOR HIN KONG POWER PLANT**

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**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 Long-Term Transmission System Investment Plan for Hin Kong Power Plant 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 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**

- 1. 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.

**A-4. Joint Venture or Consortium**

In the event that the successful Bidder is a joint venture or a consortium formed of two or more companies, EGAT requires that the parties to the joint venture or the consortium accept joint and several liability for all obligations under the Contract.

**A-5. Preparation and Delivery of Bids**

Bids shall be prepared in accordance with the Instructions to Bidders contained in the Bidding Documents in one (1) original and three (3) hard copies in English, on the bid forms included for this purpose and shall be accompanied with a bid security as required under the Article pertaining to Bid Security in Section B. Instructions to Bidders. The bid security will be placed in a separate sealed envelope.

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

**INVITATION TO BID NO. TS12-MJ2-11 and THKP-MJ2-01  
SUPPLY OF POWER CIRCUIT BREAKER AND DISCONNECTING SWITCH  
TRANSMISSION SYSTEM EXPANSION PROJECT NO.12  
LONG-TERM TRANSMISSION SYSTEM INVESTMENT PLAN  
FOR HIN KONG POWER PLANT**

and shall be addressed and delivered to :

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

on or before 10:00 a.m., Bangkok Standard Time, .....*see Tentative Schedule*.....

If the envelope(s) is not sealed, marked and addressed as required above, EGAT will assume no responsibility for the bid misplacement or premature opening.

Bids will be opened publicly at ***Bidding Room, 1<sup>st</sup> floor, Tor 082 Building*** and at the time specified above.

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

**A-6. Availability of Bidding Documents**

The Bidding Documents in CD-ROM are available for examination and can be obtained from EGAT at the hereunder address upon payment to EGAT, non-refundable, in the amount of USD 10.- or Baht 300.-. These prices include the value added tax.

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