

EGAT's Privacy Notice on Procurement, Inventory Management and Contract Administration

Electricity Generating Authority of Thailand (EGAT) has performed the protection of the Personal Data regarding procurement, inventory management and contract administration to be in accordance with the **Personal Data Protection Act B.E. 2562** (the "2019 PDPA"), which comes into effect on June 1, 2022.

Details about EGAT's Privacy Notice on Procurement, Inventory Management and Contract Administration are available for you at https://www.egat.co.th/privacy-notice-procurement_en.html or the below QR Code.



The Redaction of Sensitive Personal Data

EGAT has announced the Privacy Notice on Procurement, Inventory Management and Contract Administration for the collection, use or disclosure of Personal Data, excluding the Sensitive Personal Data.

Should the documents you wish to submit to EGAT contain the Sensitive Personal Data as defined in Section 26 of the 2019 PDPA, pertaining to racial, ethnic origin, political opinions, cult, religious or philosophical beliefs, sexual behavior, criminal records, health data, disability, trade union information, genetic data, biometric data, or of any data which may affect you in the same manner, you shall redact or conceal such data before submitting to EGAT.

ประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญาของ กฟผ.

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ได้ดำเนินการคุ้มครองข้อมูลส่วนบุคคลสำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา เพื่อให้เป็นไปตามพระราชบัญญัติคุ้มครองข้อมูลส่วนบุคคลของประเทศไทย พ.ศ. 2562 (PDPA) ซึ่งมีผลบังคับใช้อย่างครบถ้วน ตั้งแต่วันที่ 1 มิถุนายน 2565 ทั้งนี้ ท่านสามารถศึกษารายละเอียดประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา ได้ที่ <https://www.egat.co.th/privacy-notice-procurement.html> หรือที่ QR Code ด้านล่าง



การขิดฆ่าข้อมูลส่วนบุคคลอ่อนไหว

กฟผ. มีประกาศความเป็นส่วนตัว (Privacy Notice) สำหรับการจัดซื้อจัดจ้าง การบริหารพัสดุ และการบริหารสัญญา เพื่อใช้ในการเก็บรวบรวม ใช้ หรือเปิดเผย ข้อมูลส่วนบุคคล แต่ไม่เก็บข้อมูลส่วนบุคคลอ่อนไหว หากเอกสารของท่านที่ต้องส่งมอบให้ กฟผ. มีข้อมูลส่วนบุคคลอ่อนไหวตามที่ถูกบัญญัติไว้ในมาตรา 26 ของ PDPA ดังนี้ เชื้อชาติ เผ่าพันธุ์ ความคิดเห็นทางการเมือง ความเชื่อในลัทธิ ศาสนาหรือปรัชญา พฤติกรรมทางเพศ ประวัติอาชญากรรม ข้อมูลสุขภาพ ความพิการ ข้อมูลสหภาพแรงงาน ข้อมูลพันธุกรรม ข้อมูลชีวภาพ หรือข้อมูลอื่นใด ซึ่งกระทบต่อเจ้าของข้อมูลส่วนบุคคลในทำนองเดียวกันรวมอยู่ด้วย ขอให้ท่านขิดฆ่า หรือปกปิดข้อมูลดังกล่าว ก่อนส่งมอบให้แก่ กฟผ.

Notice to Bidder

Subject : Online Payment for Purchase of Bidding Documents

Please be informed of the online payment for purchase of bidding documents as follows:

- 1) Download the Registration Form and fill out all necessary information by typing. (Complete data is required.)
- 2) Payment shall be made by bank transfer or telegraphic transfer to EGAT's account no. 109-6-01958-2 (swift code : KRTHTHBK), Krung Thai Bank Public Company Limited, Bangkruai Branch, Nonthaburi.

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

- 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 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.

Registration Form

Invitation to Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

Supply of Miscellaneous Equipment

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

Substation Low Volt Improvement with SSVT

Transmission System Development for Power Purchase from IPP Power Plants

Transmission System Improvement Project in Lower Southern Region to Enhance System Security

Available Duration for Purchasing : March 25, 2025 - May 14, 2025

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

Instructions

- 1) Fill out this Registration Form in English by typing. (Complete data is required.)
- 2) 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.
- 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.

For Purchaser		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 :			
For Procurement Officer		Change of Bidder's Name	TAX ID :
Bidder's Letter No. :		Dated :	
New Bidder's Name			
Address			
		Country :	
Name of Contact Person :		Tel.	Mobile No.
Email Address :			
Contact Information of In-charge Officer			
Name	Miss Natchapich Larprassameepam		
Email address	598265@egat.co.th		
Telephone No.	66 2436 3341		
Mobile No.	669 8946 4717		



Invitation to Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

Supply of Miscellaneous Equipment

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

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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) :

Description	Medium Cost (THB)
Schedule A1, D1 : Switchyard Lighting Fixture Schedule A6, B7, C3, D6 : Rigid Steel Conduit Schedule A7, B8, C4 and D7 : Conduit Fitting	} 2,360,000.-
Schedule A2, B1 and D2 : Aluminum Tube	846,000.-
Schedule A3, B2, D3 : 230 kV and below Compression Connector and Miscellaneous Hardware Schedule B3 : 500 kV Compression Connector and Miscellaneous Hardware Schedule A4, B4, D4 : 230 kV and below Bus Fitting Schedule B5 and C1 : 500 kV Bus Fitting	} 11,100,000.-
Schedule A5, B6, C2 and D5 : Grounding Material	4,430,000.-

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 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.

Kamika Dhachulaput

Availability of Bidding Documents

Bidding Documents are available for online purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from March 25, 2025 to May 14, 2025 at USD 10.- or THB 300.- per copy, non-refundable.

Please find more details for online purchasing process at <http://www4.egat.co.th/fprocurement/biddingeng> or contact for further information at telephone no. 66 2436 0341 or procurement.tse@egat.co.th.

Delivery of Bids

Bids shall be submitted at Bidding Room, 1st Floor, Tor 082 Building at EGAT's Head Office, Nonthaburi during 9:00 hrs. to 10:00 hrs., Bangkok Standard Time, May 28, 2025 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

March 25, 2025



(Mrs. Kannika Dhachalapat)

Chief, International Procurement Department - Transmission Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
เรื่อง ประกวดราคาซื้อ เลขที่ TIEC-SSVT-IPPP-TILS-MC1-01

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Miscellaneous Equipment สำหรับโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง ภาคกลาง และกรุงเทพมหานคร เพื่อเสริมความมั่นคงระบบไฟฟ้า โครงการปรับปรุงแหล่งจ่ายไฟแรงต่ำด้วย SSVT ปี 2568-2570 โครงการระบบส่งเพื่อรับซื้อไฟฟ้าจากโรงไฟฟ้าผู้ผลิตไฟฟ้าเอกชนรายใหญ่ และโครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า โดยใช้ประมาณ กฟผ.

สถานที่ส่งมอบ : ท่าเรือกรุงเทพฯ / หน้าโรงงานผู้ผลิต

ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) :

รายการ	ราคากลาง (บาท)
Schedule A1, D1 : Switchyard Lighting Fixture Schedule A6, B7, C3, D6 : Rigid Steel Conduit Schedule A7, B8, C4 and D7 : Conduit Fitting	2,360,000.-
Schedule A2, B1 and D2 : Aluminum Tube	846,000.-
Schedule A3, B2, D3 : 230 kV and below Compression Connector and Miscellaneous Hardware Schedule B3 : 500 kV Compression Connector and Miscellaneous Hardware Schedule A4, B4, D4 : 230 kV and below Bus Fitting Schedule B5 and C1 : 500 kV Bus Fitting	11,100,000.-
Schedule A5, B6, C2 and D5 : Grounding Material	4,430,000.-

คุณสมบัติของผู้เสนอราคา

- ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุตามประกาศ และต้องไม่เป็นผู้ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง กฟผ.
- ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
- ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทน หรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
- ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
- ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้าหรือกิจการร่วม ตั้งแต่การเสนอราคาจนถึงสุดท้ายผูกพันกับ กฟผ.

กมลทิพย์ อธิคุณกุล

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อซื้อเอกสารประกวดราคา ในราคาชุดละ 300.- บาท ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 25 มีนาคม 2568 ถึงวันที่ 14 พฤษภาคม 2568 ทั้งนี้ สามารถดูรายละเอียดการซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0341 หรือ อีเมล procurement.tse@egat.co.th

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา ในวันที่ 28 พฤษภาคม 2568 เวลา 09:00 น. ถึง 10:00 น. และเปิดซองประกวดราคา เวลา 10:00 น. ณ ห้องประกวดราคา ชั้น 1 อาคารฝ่ายจัดซื้อจัดจ้างและบริหารพัสดุ ท.082 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 25 มีนาคม 2568

กรรณิกา ธชาลัญญ์

(นางกรรณิกา ธชาลัญญ์)

หัวหน้ากองจัดซื้อจัดจ้างต่างประเทศสายงานระบบส่ง

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

การจัดซื้อ Miscellaneous Equipment

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง ภาคกลาง
และกรุงเทพมหานคร เพื่อเสริมความมั่นคงระบบไฟฟ้า

โครงการปรับปรุงแหล่งจ่ายไฟแรงต่ำด้วย SSVT ปี 2568-2570

โครงการระบบส่งเพื่อรับซื้อไฟฟ้าจากโรงไฟฟ้าผู้ผลิตไฟฟ้าเอกชนรายใหญ่

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า
/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง ภาคกลาง
และกรุงเทพมหานคร เพื่อเสริมความมั่นคงระบบไฟฟ้า งบประมาณ 94,040 ล้านบาท

โครงการปรับปรุงแหล่งจ่ายไฟแรงต่ำด้วย SSVT ปี 2568-2570 งบประมาณ 149.4 ล้านบาท

โครงการระบบส่งเพื่อรับซื้อไฟฟ้าจากโรงไฟฟ้าผู้ผลิตไฟฟ้าเอกชนรายใหญ่

งบประมาณ 7,985 ล้านบาท

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคใต้ตอนล่าง เพื่อเสริมความมั่นคงระบบไฟฟ้า

งบประมาณ 35,400 ล้านบาท

3. วันที่กำหนดราคากลาง 10 กุมภาพันธ์ 2568 (วันที่ อวส. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 18,736,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ

4. แหล่งที่มาของราคากลาง

หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

5.1 นางสาวมธุรส ชมาฤกษ์ วศ.10 กวอ-ร

5.2 นายโสฬสศักดิ์ บุชวณากุล วศ.7 หอต-ร. กวอ-ร.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้
ในเอกสารประกวดราคา เช่น อากรขาเข้า เป็นต้น

นางสาวกานต์ชนก ผูุ้ตสำห
นางสาวกานต์ชนก ผูุ้ตสำห
หตส-ท.
25 มี.ค. 2568

Medium Cost for Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule	Currency	Medium Cost* (Round)
A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7	THB	2,360,000.00
A2, B1 and D2	THB	846,000.00
A3, B2, D3, B3, A4, B4, D4, B5 and C1	THB	11,100,000.00
A5, B6, C2 and D5	THB	4,430,000.00
Total Medium Cost	THB	18,736,000.00

*include VAT and other expenses



นายสรวิชัย หิมะมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ชู่อุบลรัตน์
ผู้ดูแลงาน
ทชตส-ท.

25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule A1 : Switchyard Lighting Fixture			523,230.40
2	Schedule D1 : Switchyard Lighting Fixture			37,373.60
3	Schedule A6 : Rigid Steel Conduit			386,793.00

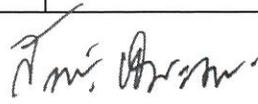
นางสาวกานต์ชนก ผูุ้ตสำห้
 หขตส-ห.
 25 มี.ค. 2568

นายสรวิษญ์ หิมะมาน
 ผู้อำนวยกาารฝ่ายวิศวกรรมระบบสง

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE
SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
4	Schedule B7 : Rigid Steel Conduit			469,095.00
5	Schedule C3 : Rigid Steel Conduit			312,730.00
6	Schedule D6 : Rigid Steel Conduit			55,385.00

นางสาวกานต์ชนก ผู้ดูแล
 นางสาวกานต์ชนก ผู้ดูแล
 หจตส-ท.


 นายสรวิชัย หิมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

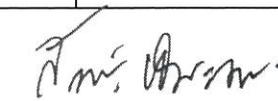
10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE
SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
7	Schedule A7 : Conduit Fitting	THB	156,365.00	
8	Schedule B8 : Conduit Fitting	THB	133,039.50	
9	Schedule C4 : Conduit Fitting	THB	66,896.50	

มรตพงษ์นุก ผู้ก่อสร้าง
 นางสาวกานต์ชนก ผู้ก่อสร้าง
 หขตส-ท.

25 มี.ค. 2568



นายสรวิษฐ์ หิมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ผูุ้ตสำนั
 หตส-ห.
 25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE
SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
10	Schedule D7 : Conduit Fitting	THB	23,325.50	
	BID PRICE	THB	379,626.50	1,784,607.00
	IMPORT DUTY	THB	37,962.65	
	CUSTOM CLEARANCE	THB	2,277.76	
	VAT	THB	29,231.24	124,922.49
	SUMMARY OF MEDIUM COST FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7	THB	2,358,627.64	
	SUMMARY OF MEDIUM COST FOR SCHEDULE A1, D1, A6, B7, C3, D6, A7, B8, C4 and D7 (ROUND)	THB	2,360,000.00	

Tim
 นายสรวิชัย ทิมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

SUMMARY OF BID PRICE FOR SCHEDULE A2, B1 and D2

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND
BANGKOK AREA TO ENHANCE SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Supply of Equipment
		Local Supply
		Ex-works Price (excluding VAT) Baht
		Amount
1	Schedule A2 : Aluminum Tube	653,940.00
2	Schedule B1 : Aluminum Tube	90,870.00
3	Schedule D2 : Aluminum Tube	45,540.00
BID PRICE		790,350.00
IMPORT DUTY		
CUSTOM CLEARANCE		
VAT		55,324.50
SUMMARY OF MEDIUM COST FOR SCHEDULE A2, B1 and D2		845,674.50
SUMMARY OF MEDIUM COST FOR SCHEDULE A2, B1 and D2 (ROUND)		846,000.00

นางฉันทนา อุตกุลล้าน
นางสาวกานต์ชนก อุตกุลล้าน
ทชตส-ท.

25 มี.ค. 2568

นายสรวิชัย หิมามาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

พณฯ อัยการ
นางสาวกานต์ชนก ผู้ดุษฎี
ทชตส-ท.
25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A3, B2, D3, B3, A4, B4, D4, B5 and C1

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

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 below Compression Connector and Miscellaneous Hardware			924,016.50
2	Schedule B2 : 230 kV and below Compression Connector and Miscellaneous Hardware			16,478.00
3	Schedule D3 : 230 kV and below Compression Connector and Miscellaneous Hardware			45,578.50
4	Schedule B3 : 500 kV Compression Connector and Miscellaneous Hardware	THB	72,490.00	


นายสรวิชัย ทิมฆมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ผู้ประสานงาน
นางสาวกานต์ชนก ผู้ประสานงาน
ทชตส-ท.

25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A3, B2, D3, B3, A4, B4, D4, B5 and C1

SUPPLY OF MISCELLANEOUS EQUIPMENT

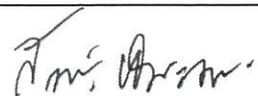
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY

SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
5	Schedule A4 : 230 kV and below Bus Fitting	THB	7,644,213.50	
6	Schedule B4 : 230 kV and below Bus Fitting	THB	44,407.00	
7	Schedule D4 : 230 kV and below Bus Fitting	THB	69,080.00	
8	Schedule B5 : 500 kV Bus Fitting	THB	509,388.00	


นายสรวิษฐ์ ทิมมะมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

มณฑลพหุ ยุทธศาสตร์
นางสาวกานต์ชนก ผู้ดูแล
หขตส-ท.

25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A3, B2, D3, B3, A4, B4, D4, B5 and C1

SUPPLY OF MISCELLANEOUS EQUIPMENT

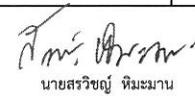
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY

SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
9	Schedule C1 : 500 kV Bus Fitting	THB	161,887.00	
	BID PRICE	THB	8,501,465.50	986,073.00
	IMPORT DUTY	THB	850,146.55	
	CUSTOM CLEARANCE	THB	51,008.79	
	VAT	THB	654,612.84	69,025.11
	SUMMARY OF MEDIUM COST FOR SCHEDULE A3, B2, D3, B3, A4, B4, D4, B5 and C1	THB	11,112,331.79	
	SUMMARY OF MEDIUM COST FOR SCHEDULE A3, B2, D3, B3, A4, B4, D4, B5 and C1 (ROUND)	THB	11,100,000.00	


นายสรวิชัย หิมะมาน

ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

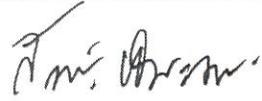
พรัดพนา อุตสาหกรรม
นางสาวกานต์ชนก ผู้ดูแล
หจตส-ท.

25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A5, B6, C2 and D5
SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE
SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule A5 : Grounding Material	THB	395,700.00	3,206,161.00
2	Schedule B6 : Grounding Material	THB	56,342.00	198,220.00
3	Schedule C2 : Grounding Material	THB	13,087.00	94,370.00


นายสรวิชญ์ หิมะมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ผู้อุตสาหกรรม
 ทชตส-ท.
 25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
SUMMARY OF BID PRICE FOR SCHEDULE A5, B6, C2 and D5
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE
SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
4	Schedule D5 : Grounding Material	THB	41,216.00	82,756.00
	BID PRICE	THB	506,345.00	3,581,507.00
	IMPORT DUTY	THB	50,634.50	
	CUSTOM CLEARANCE	THB	3,038.07	
	VAT	THB	38,988.57	250,705.49
	SUMMARY OF MEDIUM COST FOR SCHEDULE A5, B6, C2 and D5	THB	4,431,218.63	
	SUMMARY OF MEDIUM COST FOR SCHEDULE A5, B6, C2 and D5 (ROUND)	THB	4,430,000.00	

(Signature)
 นายสรวิชัย ติมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

มรต/นท. ชัยรัตน์
นางสาวกานต์ชนก ผู้ต่อสู้
หตส-ท.
25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A1 : Switchyard Lighting Fixture

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A1-1	Reference : Specification No. 611 Flood lighting fixture, LED lamp, 10000 lumen, wide-beam, complete with control gear as per Specification attached	28		18,686.80	523,230.40
Total Price for Schedule A1				Baht	523,230.40



นายสรวิชญ์ ทิมะมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ผู้ต่อสู้คดี
นางสาวกานต์ชนก ผู้ต่อสู้คดี
ทชตส-ท.

25 มี.ค. 2568

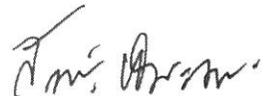
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A2 : Aluminum Tube

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A2-1	Reference : Specification No. 605 Aluminum tube 3.0" IPS Sch.40, 6 meters long	100		4,722.00	472,200.00
A2-2	Aluminum tube 5.0" IPS Sch.40, 6 meters long	20		9,087.00	181,740.00
Total Price for Schedule A2				Baht	653,940.00



นายสรวิชัย ทิมะมาน
ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

นางสาวกานต์ชนก ผู้ดุษฎี
 หขตส-น.
 25 มี.ค. 2568

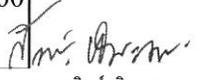
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A3 : 230 kV and below Compression Connector and Miscellaneous Hardware

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A3-1	Reference : Specification No. 605 Strain clamp for 3/8 inch diameter galvanized steel OHG wire ,PLP Cat. No.A3DD4749T or equal (Legend No.12.21)	40		968.00	38,720.00
A3-2	Compression terminal for 1272 MCM ACSR, straight type, four holes NEMA pad without mounting bolt ,PLP Cat. No.A4DD17829T or equal (Legend No.16.45)	255		438.90	111,919.50
A3-3	Compression tee for 1272 MCM ACSR, four holes NEMA pad ,PLP Cat. No.A4DD16883T or equal (Legend No.17.43)	25		823.90	20,597.50
A3-4	Compression dead end for 1272 MCM ACSR, with non-adjustable clevis bolts, nuts and cotter key, four holes NEMA tap pad ,PLP Cat. No.A4DD16227T or equal (Legend No.24.15)	225		1,565.30	352,192.50
A3-5	Cable clamp for 3/8 inch diameter galvanized steel OHG wire, run to flat surface ,PLP Cat. No.A4DD3792T or equal (Legend No.46.61)	55		151.80	8,349.00
A3-6	Ball clevis 16 mm. ,PLP Cat. No.A4DD08248T or equal (Legend No.80.01)	20		155.10	3,102.00


 นายสรวิชญ์ ทิมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A3 : 230 kV and below Compression Connector and Miscellaneous Hardware

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A3-7	Ball eye 16 mm. ,PLP Cat. No.A4DD1114T or equal (Legend No.80.06)	145		122.10	17,704.50
A3-8	Socket clevis 16 mm. ,PLP Cat. No.A4DD10476T or equal (Legend No.80.11)	60		228.80	13,728.00
A3-9	Socket eye with 19 mm. boss ,PLP Cat. No.A4DD17834T or equal (Legend No.80.16)	45		202.40	9,108.00
A3-10	Socket eye with 16 mm. boss ,PLP Cat. No.A4DD17835T or equal (Legend No.80.17)	20		159.50	3,190.00
A3-11	Twisted clevis tongue 20 mm. ,PLP Cat. No.A4DD17798T or equal (Legend No.80.23)	215		300.30	64,564.50
A3-12	Bow shackle 16 mm. ,PLP Cat. No.A4DD14164T or equal (Legend No.80.31)	140		170.50	23,870.00
A3-13	Turnbuckle clevis-clevis 3/4 x 12 inch size and take up ,PLP Cat. No.A4DD17520T or equal (Legend No.80.36)	65		1,300.20	84,513.00

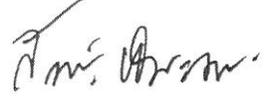
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10 Feb 2025

มณฑล อยู่นาน
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ทชตส-ท.
25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule A3 : 230 kV and below Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A3-14	Turnbuckle clevis-eye 5/8 x 12 inch size and take up ,PLP Cat. No.A4DD17880T or equal (Legend No.80.38)	20		1,344.20	26,884.00
A3-15	Turnbuckle eye-eye 3/4 x 12 inch size and take up ,PLP Cat. No.A4DD17521T or equal (Legend No.80.39)	20		1,463.00	29,260.00
A3-16	Strain yoke plate 200 mm. spacing 18 mm. hole ,PLP Cat. No.A4DD10569T or equal (Legend No.80.41)	90		402.60	36,234.00
A3-17	3.5 inch sub-base 5 inch bc on top and bottom ,PLP Cat. No.A4DD17490T or equal (Legend No.80.51)	80		1,001.00	80,080.00
Total Price for Schedule A3				Baht	924,016.50


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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A4 : 230 kV and below Bus Fitting

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

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. 605 Tubular bus suspension clamp, ball socket type (ANSI C29.2, type B) for 2 inch IPS aluminum tube ,Burndy Cat. No.CHS18A or equal (Legend No.12.53)	5		THB	1,059.30		1,059.30	5,296.50		
A4-2	Tubular bus suspension clamp, ball socket type (ANSI C29.2, type B) for 3 inch IPS aluminum tube ,Burndy Cat. No.CHS20A or equal (Legend No.12.55)	45		THB	1,059.30		1,059.30	47,668.50		
A4-3	Bus support clamp, with 5 inch bc fitting for 1272 MCM ACSR ,Burndy Cat. No.UHKR16A-5B or equal (Legend No.13.45) (Hardware for fixing to base of insulator shall comprise of 5/8 inch-11 UNC bolt and split lockwashers for bolt size 5/8 inch, the length of bolt shall be 35 mm)	15		THB	2,139.50		2,139.50	32,092.50		
A4-4	Bus support clamp, with 3 inch bc fitting for 1272 MCM ACSR ,Burndy Cat. No.UHKR16A-3B or equal (Legend No.13.55) (Hardware for fixing to base of insulator shall comprise of 1/2 inch-13 UNC bolt and split lockwashers, the length of bolt shall be 30 mm)	20		THB	1,937.10		1,937.10	38,742.00		
A4-5	Bus support clamp, with 5 inch bc fitting for 2x1272 MCM ACSR ,Burndy Cat. No.U2HKR16A-5B or equal (Legend No.13.68) (Hardware for fixing to base of insulator shall comprise of 5/8 inch-11 UNC bolt and split lockwashers for bolt size 5/8 inch, the length of bolt shall be 35 mm)	160		THB	3,136.10		3,136.10	501,776.00		
A4-6	Bus support clamp, with 3 inch bc fitting for 2 inch IPS aluminum tube, slip or rigid fit ,Burndy Cat. No.UHG18A-3-B or equal (Legend No.15.23) (Hardware for fixing to base of insulator shall comprise of 1/2 inch-13 UNC bolt and split lockwashers, the length of bolt shall be 30 mm)	20		THB	2,174.70		2,174.70	43,494.00		

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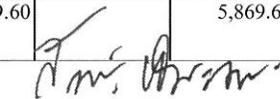
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 25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule A4 : 230 kV and below Bus Fitting
SUPPLY OF MISCELLANEOUS EQUIPMENT

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

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
A4-7	Bus support, with 5 inch bc fitting for 3 inch IPS aluminum tube, slip or rigid fit ,Burndy Cat. No.WOH20A-5B or equal (Legend No.15.45) (Hardware for fixing to base of insulator shall comprise of 5/8 inch-11 UNC bolt and split lockwashers for bolt size 5/8 inch, the length of bolt shall be 35 mm)	210		THB	1,190.20		1,190.20	249,942.00		
A4-8	Bus support, with 5 inch bc fitting for 5 inch IPS aluminum tube, slip or rigid fit ,Burndy Cat. No.WOH24A-5B or equal (Legend No.15.47) (Hardware for fixing to base of insulator shall comprise of 5/8 inch-11 UNC bolt and split lockwashers for bolt size 5/8 inch, the length of bolt shall be 35 mm)	310		THB	2,847.90		2,847.90	882,849.00		
A4-9	Expansion bus support coupler, weld type with 5 inch bc fitting for 5 inch IPS Sch.40 aluminum tube, supplied with end cap ,Burndy Cat. No.WXHP24A-5B-SG5 or equal (Legend No.15.57)	10		THB	9,080.50		9,080.50	90,805.00		
A4-10	Terminal connector, weld type for 2x1272 MCM ACSR ,Burndy Cat. No.W2A54R-4N or equal (Legend No.28.63)	255		THB	1,343.10		1,343.10	342,490.50		
A4-11	Terminal connector, weld type for 1272 MCM ACSR ,Burndy Cat. No.WA54R-4N or equal (Legend No.29.83)	265		THB	365.20		365.20	96,778.00		
A4-12	Terminal connector, weld type for 2 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.SWAC18A-34N or equal (Legend No.30.03)	30		THB	300.30		300.30	9,009.00		
A4-13	Terminal connector, weld type for 3 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.SWAC20A-34N-SG or equal (Legend No.30.05)	55		THB	507.10		507.10	27,890.50		
A4-14	Terminal connector, weld type for 3 inch IPS Sch.40 aluminum tube, six holes ,Burndy Cat. No.SWAC20A-66N-SG or equal (Legend No.30.05B)	15		THB	658.90		658.90	9,883.50		
A4-15	Expansion terminal connector, weld type for 2 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.WXA18A-4N-SG1 or equal (Legend No.30.13)	10		THB	4,435.20		4,435.20	44,352.00		
A4-16	Expansion terminal connector, weld type for 3 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.WXA20A-4N-SG4 or equal (Legend No.30.15)	30		THB	5,324.00		5,324.00	159,720.00		
A4-17	Expansion terminal connector, weld type for 3 inch IPS Sch.40 aluminum tube, six holes ,Burndy Cat. No.WXA20A-6N-SG or equal (Legend No.30.15B)	10		THB	5,869.60		5,869.60	58,696.00		



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25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule A4 : 230 kV and below Bus Fitting
SUPPLY OF MISCELLANEOUS EQUIPMENT

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

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
A4-18	Connector angle " T ", weld type for 3 inch IPS aluminum tube run to 80 degree 3 inch IPS aluminum tube tap ,Burndy Cat. No.SWT20A20A-80 or equal (Legend No.39.29)	170		THB	624.80		624.80	106,216.00		
A4-19	Connector " V ", weld type for 5 inch IPS aluminum tube run to 20 degree 3 inch IPS aluminum tube tap ,Burndy Cat. No.SWAT24A20A-20 or equal (Legend No.41.53)	40		THB	1,118.70		1,118.70	44,748.00		
A4-20	Bar tap, weld type for 2 inch IPS aluminum tube to four holes NEMA pad ,Burndy Cat. No.SWAB19A-34N or equal (Legend No.42.02)	45		THB	597.30		597.30	26,878.50		
A4-21	Bar tap, weld type for 3 inch IPS aluminum tube to four holes NEMA pad ,Burndy Cat. No.SWAB20A-4N or equal (Legend No.42.04)	80		THB	772.20		772.20	61,776.00		
A4-22	Coupler, weld type for 2 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.WS18A-F or equal (Legend No.44.02)	105		THB	330.00		330.00	34,650.00		
A4-23	Coupler, weld type for 3 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.WS20A-F or equal (Legend No.44.04)	425		THB	531.30		531.30	225,802.50		
A4-24	Coupler, weld type for 5 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.WS24A-F or equal (Legend No.44.06)	325		THB	1,384.90		1,384.90	450,092.50		
A4-25	Corona bell, internal type for 3 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.LB20A or equal (Legend No.45.56)	255		THB	181.50		181.50	46,282.50		
A4-26	Corona bell, internal type for 5 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.LB24A or equal (Legend No.45.58)	10		THB	306.90		306.90	3,069.00		
A4-27	Spacer connector for 2x1272 MCM ACSR, distance between conductor center 100 mm. ,Burndy Cat. No.S2GBP46A-10 or equal (Legend No.47.05)	195		THB	684.20		684.20	133,419.00		
A4-28	Spacer connector for 2x1272 MCM ACSR, distance between conductor center 200 mm. ,Burndy Cat. No.S2GBP46A-20 or equal (Legend No.47.15)	95		THB	1,529.00		1,529.00	145,255.00		
A4-29	Ground connector, weld type for 3 inch IPS aluminum tube ,Burndy Cat. No.WG86A or equal (Legend No.47.52)	40		THB	185.90		185.90	7,436.00		

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25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A5 : Grounding Material

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

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. 603 Ground rod size 5/8 inch diameter x 10 feet	206		THB	785.00		785.00	161,710.00		
A5-2	Exothermic welding mold for connecting horizontal cable of no. 4/0 AWG run to horizontal through cable of no. 4/0 AWG copper ground wire tap ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.03)	18			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	42,570.00
A5-3	Exothermic welding mold for connecting angular cable drop of no. 4/0 AWG copper ground wire to vertical steel flat surface ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.04)	8			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	18,920.00
A5-4	Exothermic welding mold for connecting cable of no. 4/0 AWG copper ground wire vertical through to steel flat surface ,Kumwell Cat. No.CS4-Y-4/0 or equal (Legend No.60.07)	29			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	68,585.00
A5-5	Changeable handle clamp ,Kumwell Cat. No.HCC00-XY or equal (Legend No.60.09)	6			XXXXXX	XXXXXX	XXXXXX	XXXXXX	3,864.00	23,184.00
A5-6	Welding powder cartridges for mold ,Kumwell Cat. No.CR2-C-5/84/0 or equal (Legend No.60.10)	2006			XXXXXX	XXXXXX	XXXXXX	XXXXXX	196.00	393,176.00
A5-7	Welding powder cartridges for mold ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.11)	473			XXXXXX	XXXXXX	XXXXXX	XXXXXX	208.00	98,384.00
A5-8	Welding powder cartridges for mold ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.12)	160			XXXXXX	XXXXXX	XXXXXX	XXXXXX	164.00	26,240.00
A5-9	Welding powder cartridges for mold ,Kumwell Cat. No.CP1-X-4/0 or equal (Legend No.60.13)	12			XXXXXX	XXXXXX	XXXXXX	XXXXXX	164.00	1,968.00
A5-10	Welding powder cartridges for mold ,Kumwell Cat. No.CC4-C-4/04/0 or equal (Legend No.60.14)	2005			XXXXXX	XXXXXX	XXXXXX	XXXXXX	313.00	627,565.00

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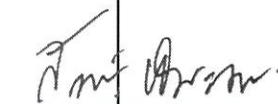
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule A6 : Rigid Steel Conduit

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
A6-1	Reference : Specification No. 522 Rigid steel conduit 2.0 inch dia., 3.05 m long	165		1,608.20	265,353.00
A6-2	Rigid steel conduit 2.5 inch dia., 3.05 m long	40		3,036.00	121,440.00
Total Price for Schedule A6				Baht	386,793.00



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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

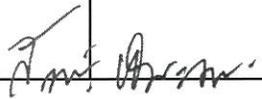
Schedule B1 : Aluminum Tube

SUPPLY OF MISCELLANEOUS EQUIPMENT

SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
B1-1	Reference : Specification No. 605 Aluminum tube 5.0" IPS Sch.40, 6 meters long	10		9,087.00	90,870.00
Total Price for Schedule B1				Baht	90,870.00

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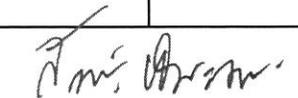
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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule B2 : 230 kV and below Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
B2-1	Reference : Specification No. 605 Compression tee for 1272 MCM ACSR, four holes NEMA pad ,PLP Cat. No.A4DD16883T or equal (Legend No.17.43)	20		823.90	16,478.00
Total Price for Schedule B2					Baht 16,478.00

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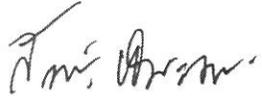
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10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule B3 : 500 kV Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

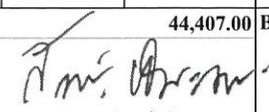
Item No.	Description	Qty.	Unit	Currency	Supply of Equipment				Supply of Equipment	
					Foreign Supply				Local Supply	
					FOB Vessel	Cost of Transportation to Thai Port	CFR Thai Port		Ex-works Price (excluding VAT) Baht	
					Unit Price	Unit Price	Unit Price	Amount	Unit Price	Amount
B3-1	Reference : Specification No. 605 Aluminum alloy quadruple bundle suspension coupler, complete with straight compression terminals for 4x1272 MCM ACSR, bolts, nuts and washers ,Lorunser Cat. No.IFB767-133 or equal (Legend No.17.55A). In addition, each compression terminal shall be furnished with the following accessories : - Stainless steel bolts, nuts, flat washers and belleville washers - Aluminum alloy streamlined cap for shielding hardware when bolting terminal to flat pad	10		THB	7,249.00		7,249.00	72,490.00		
Total Price for Schedule B3				THB	72,490.00			Baht		

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 10 Feb 2025

พณีสถิต อุตสาหกรรม
 นางสาวกานต์ชนก ผู้อุตสาหกรรม
 หตส.ท.
 25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
 Schedule B4 : 230 kV and below Bus Fitting
 SUPPLY OF MISCELLANEOUS EQUIPMENT
 SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

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
B4-1	Reference : Specification No. 605 Terminal connector, weld type for 2x1272 MCM ACSR ,Burndy Cat. No.W2A54R-4N or equal (Legend No.28.63)	5		THB	1,343.10		1,343.10	6,715.50		
B4-2	Terminal connector, weld type for 1272 MCM ACSR ,Burndy Cat. No.WA54R-4N or equal (Legend No.29.83)	30		THB	365.20		365.20	10,956.00		
B4-3	Spacer connector for 2x1272 MCM ACSR, distance between conductor center 100 mm. ,Burndy Cat. No.S2GBP46A-10 or equal (Legend No.47.05)	5		THB	684.20		684.20	3,421.00		
B4-4	Stainless steel hexagon head bolts, 0.5-13 inch, 2.5 inch long fully threaded and manufactures of series 18-8 material, coarse thread series class 2A tolerance ,Burndy Cat. No.50x250 HSSB or equal (Legend No.90.51)	65		THB	47.30		47.30	3,074.50		
B4-5	Stainless steel hexagon head bolts, 0.5-13 inch, 3.0 inch long fully threaded and manufactures of series 18-8 material, coarse thread series class 2A tolerance ,Burndy Cat. No.50x300 HSSB or equal (Legend No.90.54)	40		THB	50.60		50.60	2,024.00		
B4-6	Stainless steel hexagon nuts manufactures of series 18-8 material finish type, coarse thread series class 2B fit for 0.5-13 inch bolts size ,Burndy Cat. No.50 HSSN or equal (Legend No.90.61)	105		THB	11.00		11.00	1,155.00		
B4-7	Stainless steel flat washers manufactures of 18-8 material and of medium design 1.125 inch O.D., 0.594 inch I.D., and 0.125 inch thickness ,Burndy Cat. No.50 FWSS or equal (Legend No.90.66)	210		THB	15.40		15.40	3,234.00		
B4-8	Stainless steel belleville washers manufactures of alloy 301, 302 or 18-8 materials, 1.06 inch O.D., 0.530 inch I.D., 0.095 inch thickness ,Burndy Cat. No.50x106 BWSS or equal (Legend No.90.76)	105		THB	29.70		29.70	3,118.50		
B4-9	Aluminum joint compound in 8-oz bottles ,Burndy Cat. No.P8A or equal (Legend No.90.91)	15		THB	713.90		713.90	10,708.50		
				THB	44,407.00			Baht		
Total Price for Schedule B4					 นายสรวิษณุ หิมะมาน					

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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

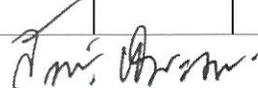
Schedule B6 : Grounding Material

SUPPLY OF MISCELLANEOUS EQUIPMENT

SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

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
B6-1	Reference : Specification No. 603 Exothermic welding mold for connecting horizontal cable of no. 4/0 AWG run to horizontal through cable of no. 4/0 AWG copper ground wire tap ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.03)	6			XXXXX	XXXXX	XXXXX	XXXXX	2,365.00	14,190.00
B6-2	Exothermic welding mold for connecting angular cable drop of no. 4/0 AWG copper ground wire to vertical steel flat surface ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.04)	6			XXXXX	XXXXX	XXXXX	XXXXX	2,365.00	14,190.00
B6-3	Exothermic welding mold for connecting cable of no. 4/0 AWG copper ground wire vertical through to steel flat surface ,Kumwell Cat. No.CS4-Y-4/0 or equal (Legend No.60.07)	10			XXXXX	XXXXX	XXXXX	XXXXX	2,365.00	23,650.00
B6-4	Changeable handle clamp ,Kumwell Cat. No.HCC00-XY or equal (Legend No.60.09)	5			XXXXX	XXXXX	XXXXX	XXXXX	3,864.00	19,320.00
B6-5	Welding powder cartridges for mold ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.11)	118			XXXXX	XXXXX	XXXXX	XXXXX	208.00	24,544.00
B6-6	Welding powder cartridges for mold ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.12)	51			XXXXX	XXXXX	XXXXX	XXXXX	164.00	8,364.00
B6-7	Welding powder cartridges for mold ,Kumwell Cat. No.CS4-Y-4/0 or equal (Legend No.60.15)	233			XXXXX	XXXXX	XXXXX	XXXXX	274.00	63,842.00
B6-8	Tool kit complete set ,Kumwell Cat. No.KTA000 or equal (Legend No.60.17)	5			XXXXX	XXXXX	XXXXX	XXXXX	4,852.00	24,260.00
B6-9	Flint igniter ,Kumwell Cat. No.KTA014U or equal (Legend No.60.18)	20			XXXXX	XXXXX	XXXXX	XXXXX	293.00	5,860.00

นางสาวกานต์ชนก ผู้ดูแล
 ทชตส-ท.
 25 มี.ค. 2568


 นายสรวิชญ์ หิมะมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง
 10 Feb 2025

นางฉัตรพร อุตสาหกรรม
 นางสาวกานต์ชนก ผู้ดูแล
 หขตส-น.
 25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule B7 : Rigid Steel Conduit
SUPPLY OF MISCELLANEOUS EQUIPMENT
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
B7-1	Reference : Specification No. 522 Rigid steel conduit 2.0 inch dia., 3.05 m long	45		1,608.20	72,369.00
B7-2	Rigid steel conduit 5.0 inch dia., 3.05 m long	60		6,612.10	396,726.00
Total Price for Schedule B7				Baht	469,095.00

(Signature)
 นายสรวิชัย หิมาเนน

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10 Feb 2025

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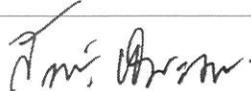
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule C1 : 500 kV Bus Fitting

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS

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
C1-1	Reference : Specification No. 605 Aluminum alloy quadruple bundle connector with six holes NEMA pad, complete with terminal for 4x1272 MCM ACSR, bolts, nuts and washers ,Lorunser Cat. No.3-19019/1B or equal (Legend No.28.95A). In addition, aluminum alloy streamlined cap for shielding hardware when bolting terminal to flat pad shall be provided.	5		THB	15,546.30		15,546.30	77,731.50
C1-2	Aluminum alloy quadruple bundle connector with six holes NEMA pad, complete with clamp for 4x1272 MCM ACSR (through conductor), bolts, nuts and washers ,Lorunser Cat. No.3-19019/2E or equal (Legend No.28.96A)	5		THB	16,831.10		16,831.10	84,155.50
Total Price for Schedule C1				THB	161,887.00			


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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule C3 : Rigid Steel Conduit

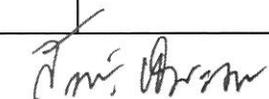
SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM DEVELOPMENT FOR POWER PURCHASE FROM IPP POWER PLANTS

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
C3-1	Reference : Specification No. 522 Rigid steel conduit 2.0 inch dia., 3.05 m long	30		1,608.20	48,246.00
C3-2	Rigid steel conduit 5.0 inch dia., 3.05 m long	40		6,612.10	264,484.00
Total Price for Schedule C3				Baht	312,730.00

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10 Feb 2025

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25 มี.ค. 2568

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D1 : Switchyard Lighting Fixture

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
D1-1	Reference : Specification No. 611 Flood lighting fixture, LED lamp, 10000 lumen, wide-beam, complete with control gear as per Specification attached	2		18,686.80	37,373.60
Total Price for Schedule D1				Baht	37,373.60



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10 Feb 2025

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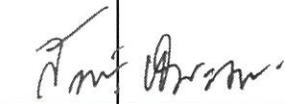
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D2 : Aluminum Tube

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
D2-1	Reference : Specification No. 605 Aluminum tube 2.0" IPS Sch.40, 6 meters long	20		2,277.00	45,540.00
Total Price for Schedule D2				Baht	45,540.00



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10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule D3 : 230 kV and below Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
D3-1	Reference : Specification No. 605 Strain clamp for 3/8 inch diameter galvanized steel OHG wire ,PLP Cat. No.A3DD4749T or equal (Legend No.12.21)	10		968.00	9,680.00
D3-2	Cable clamp for 3/8 inch diameter galvanized steel OHG wire, run to flat surface ,PLP Cat. No.A4DD3792T or equal (Legend No.46.61)	10		151.80	1,518.00
D3-3	Ball clevis 16 mm. ,PLP Cat. No.A4DD08248T or equal (Legend No.80.01)	5		155.10	775.50
D3-4	Ball eye 16 mm. ,PLP Cat. No.A4DD1114T or equal (Legend No.80.06)	15		122.10	1,831.50
D3-5	Socket eye with 19 mm. boss ,PLP Cat. No.A4DD17834T or equal (Legend No.80.16)	10		202.40	2,024.00
D3-6	Socket eye with 16 mm. boss ,PLP Cat. No.A4DD17835T or equal (Legend No.80.17)	5		159.50	797.50
D3-7	Bow shackle 16 mm. ,PLP Cat. No.A4DD14164T or equal (Legend No.80.31)	20		170.50	3,410.00

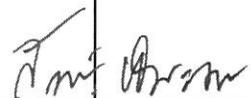
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 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01
Schedule D3 : 230 kV and below Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
D3-8	Turnbuckle clevis-clevis 3/4 x 12 inch size and take up ,PLP Cat. No.A4DD17520T or equal (Legend No.80.36)	5		1,300.20	6,501.00
D3-9	Turnbuckle clevis-eye 5/8 x 12 inch size and take up ,PLP Cat. No.A4DD17880T or equal (Legend No.80.38)	5		1,344.20	6,721.00
D3-10	Turnbuckle eye-eye 3/4 x 12 inch size and take up ,PLP Cat. No.A4DD17521T or equal (Legend No.80.39)	5		1,463.00	7,315.00
D3-11	3.5 inch sub-base 5 inch bc on top and bottom ,PLP Cat. No.A4DD17490T or equal (Legend No.80.51)	5		1,001.00	5,005.00
				Baht	
Total Price for Schedule D3					45,578.50



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MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D4 : 230 kV and below Bus Fitting

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

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
D4-1	Reference : Specification No. 605 Tubular bus suspension clamp, ball socket type (ANSI C29.2, type B) for 2 inch IPS aluminum tube ,Burndy Cat. No.CHS18A or equal (Legend No.12.53)	5		THB	1,059.30		1,059.30	5,296.50		
D4-2	Bus support clamp, with 3 inch bc fitting for 2 inch IPS aluminum tube, slip or rigid fit ,Burndy Cat. No.UHG18A-3-B or equal (Legend No.15.23) (Hardware for fixing to base of insulator shall comprise of 1/2 inch-13 UNC bolt and split lockwashers, the length of bolt shall be 30 mm)	5		THB	2,174.70		2,174.70	10,873.50		
D4-3	Bus support, with 5 inch bc fitting for 2 inch IPS aluminum tube, slip or rigid fit ,Burndy Cat. No.WOH18A-5B or equal (Legend No.15.43) (Hardware for fixing to base of insulator shall comprise of 5/8 inch-11 UNC bolt and split lockwashers for bolt size 5/8 inch, the length of bolt shall be 35 mm)	5		THB	859.10		859.10	4,295.50		
D4-4	Terminal connector, weld type for 2 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.SWAC18A-34N or equal (Legend No.30.03)	10		THB	300.30		300.30	3,003.00		
D4-5	Expansion terminal connector, weld type for 2 inch IPS Sch.40 aluminum tube, four holes ,Burndy Cat. No.WXA18A-4N-SG1 or equal (Legend No.30.13)	5		THB	4,435.20		4,435.20	22,176.00		
D4-6	Connector angle " T ", weld type for 2 inch IPS aluminum tube run to 80 degree 2 inch IPS aluminum tube tap ,Burndy Cat. No.SWT18A18A-80 or equal (Legend No.39.07)	10		THB	205.70		205.70	2,057.00		
D4-7	Connector " V ", weld type for 3 inch IPS aluminum tube run to 20 degree 2 inch IPS aluminum tube tap ,Burndy Cat. No.SWAT20A18A-20 or equal (Legend No.41.32)	5		THB	562.10		562.10	2,810.50		
D4-8	Bar tap, weld type for 2 inch IPS aluminum tube to four holes NEMA pad ,Burndy Cat. No.SWAB19A-34N or equal (Legend No.42.02)	10		THB	597.30		597.30	5,973.00		

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ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

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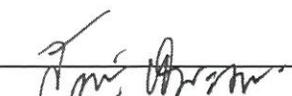
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D4 : 230 kV and below Bus Fitting

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

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
D4-9	Corona bell, internal type for 2 inch IPS Sch.40 aluminum tube ,Burndy Cat. No.LB18A or equal (Legend No.45.54)	5		THB	157.30		157.30	786.50		
D4-10	Stainless steel hexagon head bolts, 0.5-13 inch, 2.5 inch long fully threaded and manufactures of series 18-8 material, coarse thread series class 2A tolerance ,Burndy Cat. No.50x250 HSSB or equal (Legend No.90.51)	70		THB	47.30		47.30	3,311.00		
D4-11	Stainless steel hexagon nuts manufactures of series 18-8 material finish type, coarse thread series class 2B fit for 0.5-13 inch bolts size ,Burndy Cat. No.50 HSSN or equal (Legend No.90.61)	70		THB	11.00		11.00	770.00		
D4-12	Stainless steel flat washers manufactures of 18-8 material and of medium design 1.125 inch O.D., 0.594 inch I.D., and 0.125 inch thickness ,Burndy Cat. No.50 FWSS or equal (Legend No.90.66)	135		THB	15.40		15.40	2,079.00		
D4-13	Stainless steel belleville washers manufactures of alloy 301, 302 or 18-8 materials, 1.06 inch O.D., 0.530 inch I.D., 0.095 inch thickness ,Burndy Cat. No.50x106 BWSS or equal (Legend No.90.76)	70		THB	29.70		29.70	2,079.00		
D4-14	Aluminum joint compound in 8-oz bottles ,Burndy Cat. No.P8A or equal (Legend No.90.91)	5		THB	713.90		713.90	3,569.50		
				THB	69,080.00				Baht	
Total Price for Schedule D4										



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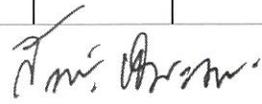
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D5 : Grounding Material

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

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
D5-1	Reference : Specification No. 603 Exothermic welding mold for connecting horizontal cable of no. 4/0 AWG run to horizontal through cable of no. 4/0 AWG copper ground wire tap ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.03)	3			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	7,095.00
D5-2	Exothermic welding mold for connecting angular cable drop of no. 4/0 AWG copper ground wire to vertical steel flat surface ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.04)	1			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	2,365.00
D5-3	Exothermic welding mold for connecting cable of no. 4/0 AWG copper ground wire vertical through to steel flat surface ,Kumwell Cat. No.CS4-Y-4/0 or equal (Legend No.60.07)	5			XXXXXX	XXXXXX	XXXXXX	XXXXXX	2,365.00	11,825.00
D5-4	Changeable handle clamp ,Kumwell Cat. No.HCC00-XY or equal (Legend No.60.09)	1			XXXXXX	XXXXXX	XXXXXX	XXXXXX	3,864.00	3,864.00
D5-5	Welding powder cartridges for mold ,Kumwell Cat. No.CC2-C-4/04/0 or equal (Legend No.60.11)	65			XXXXXX	XXXXXX	XXXXXX	XXXXXX	208.00	13,520.00
D5-6	Welding powder cartridges for mold ,Kumwell Cat. No.CS3-Y-4/0 or equal (Legend No.60.12)	21			XXXXXX	XXXXXX	XXXXXX	XXXXXX	164.00	3,444.00
D5-7	Welding powder cartridges for mold ,Kumwell Cat. No.CS4-Y-4/0 or equal (Legend No.60.15)	121			XXXXXX	XXXXXX	XXXXXX	XXXXXX	274.00	33,154.00
D5-8	Tool kit complete set ,Kumwell Cat. No.KTA000 or equal (Legend No.60.17)	1			XXXXXX	XXXXXX	XXXXXX	XXXXXX	4,852.00	4,852.00
D5-9	Flint igniter ,Kumwell Cat. No.KTA014U or equal (Legend No.60.18)	9			XXXXXX	XXXXXX	XXXXXX	XXXXXX	293.00	2,637.00


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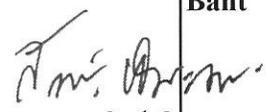
MEDIUM COST FOR BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

Schedule D6 : Rigid Steel Conduit

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

Item No.	Description	Qty.	Unit	Supply of Equipment	
				Local Supply	
				Ex-works Price (excluding VAT) Baht	
				Unit Price	Amount
D6-1	Reference : Specification No. 522 Rigid steel conduit 2.0 inch dia., 3.05 m long	25		1,608.20	40,205.00
D6-2	Rigid steel conduit 2.5 inch dia., 3.05 m long	5		3,036.00	15,180.00
Total Price for Schedule D6				Baht	55,385.00


 นายสรวิชญ์ หิระมาน
 ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง

10 Feb 2025

Important Information

for

Invitation to Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

The purpose of this section is to inform the Bidders to **carefully study** the details of the revised terms and conditions in the bidding documents. The following provisions have been **recently revised** as stated hereunder:

Article A-5. Preparation and Delivery of Bids and Article B-1. Preparation of Bids

Details on how to prepare the proposal have been revised. Bids shall be prepared in accordance with the Instructions to Bidders contained in the Bidding Documents in one (1) original hard copy and one (1) electronic copy contained in USB flash drive.

Article A-5. Preparation and Delivery of Bids

Details of bid opening time and place shall be specified in the Tentative Schedule.

Article A-6. Availability of Bidding Documents

Availability of Bidding Documents has been changed from CD-ROM to electronic files for download via link provided by EGAT.

Channel of Documents Submission

For channel of document submission in the hereunder Articles, facsimile and telex has been replaced with letters submitted electronically or electronic mails (E-mails).

- Article B-1. Preparation of Bids
- Article B-4. Validity of Bids
- Article D-9. Notices
- Article E-17. Documents Required for Each Shipment
- Article F-8. Payment

Article B-2. Bid Prices

For Source of Supply and Service b., Prices for Equipment manufactured outside Thailand (imported Equipment) shall be firm, stated both on FOB Port of Shipment/Vessel and CFR Thai Port basis, and quoted in Thai baht, US dollar, euro, Japanese yen, renminbi (Chinese yuan), or in the Bidder's or Manufacturer's home currency only if his currency trading is prevailed at the time of bidding in any international market other than in Bidder's or Manufacturer's home country.

The following paragraph has also been added :-

“Prices for the following Equipment manufactured outside Thailand which was imported before the bid opening date shall be firm ex-works and quoted in Thai baht, provided that the Bidder shall submit any document(s) evidencing the importation date of such Equipment:

- Power Fuse
- Stationary Battery and Battery Charger
- Insulator for substation
- Cable Termination
- Compression Connector and Miscellaneous Hardware
- Bus Fittings
- Grounding Material
- Substation Miscellaneous”

Article E-16. Shipment

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

Article F-8. Payment

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

DATA SHEET

for

Invitation to Bid No. TIEC-SSVT-IPPP-TILS-MC1-01

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 A1, D1, A6, B7, C3, D6, A7, B8, C4, and D7

The amount of bid security shall be USD 3,690.- or THB 126,500.-.

Schedules A2, B1, and D2

The amount of bid security shall be USD 1,460.- or THB 50,000.-.

Schedules A3, B2, D3, B3, A4, B4, D4, B5, and C1

The amount of bid security shall be USD 17,650.- or THB 605,000.-.

Schedules A5, B6, C2, and D5

The amount of bid security shall be USD 8,970.- or THB 307,500.-.

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, D1, A6, B7, C3, D6, A7, B8, C4, and D7
- combination of Schedules A2, B1, and D2
- combination of Schedules A3, B2, D3, B3, A4, B4, D4, B5, and C1
- combination of Schedules A5, B6, C2, and D5.

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. TIEC-SSVT-IPPP-TILS-MC1-01
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM IMPROVEMENT PROJECT
IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS
AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY
SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT
TRANSMISSION SYSTEM DEVELOPMENT
FOR POWER PURCHASE FROM IPP POWER PLANTS
TRANSMISSION SYSTEM IMPROVEMENT PROJECT
IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of Miscellaneous Equipment under Transmission System Improvement Project in Northeastern, Lower Northern, Central Regions and Bangkok Area to Enhance System Security, Substation low volt improvement with SSVT, Transmission System Development for Power Purchase from IPP Power Plants, and Transmission System Improvement Project in Lower Southern Region to Enhance System Security hereinafter called Equipment in accordance with the terms, conditions and Specifications described in these Bidding Documents.

A-2. Eligibility of Bidders: General Requirements

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

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

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

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

A-3. Eligibility of Bidders: Technical Requirements

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

- a. The Bidder shall manufacture or supply the Equipment or Work as required under this invitation to bid.
- b. If the Bidder is a new company formed by acquisition of or merger with other companies or business units before submitting the Bid, the experience records of any of such previous companies or business units that meet the requirements set forth herein are acceptable as the experience records of the Bidder.
- c. The Bidder shall have no just or proper claims pending against the Bidder with respect to breach in the performance of contract on other similar works awarded by EGAT. If the Bidder is a new company formed by acquisition of or merger with other companies or business units, the pending claim of any of such previous companies or business units shall be considered pending claim of the Bidder.
- d. The Bidder shall have sufficient capacity to carry out the Work.
- e. The bidder shall propose 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.6 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. Being local manufacturer for :
Battery Charger, Switchyard Lighting Fixtures, Aluminum Tube, 230 kV and below Compression Connector and Miscellaneous Hardware, Thermite Welding Material and Rigid Steel Conduit.

5. Regularly manufacturing of Equipment of the type and similar ratings proposed.
6. Having the qualifications for the required equipment as follows :
 - 6.1 For Stationary Battery.

Having one of the following qualifications :

- 6.1.1 Having supply record of Equipment of the type and similar ratings proposed with successful operation/use in substations/switchyards for at least three (3) consecutive years and at least three (3) sets.

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

OR

- 6.1.2 Having a letter of acceptance for manufacturing and/or fabrication of the specific Equipment issued by EGAT within the scope specified therein. (For the local manufacturer)

6.2 For Suspension Insulator.

Having supply record with successful operation/use for at least three (3) consecutive years in overseas country (not his own country) and at least 10,000 units having the similar ANSI class as proposed.

6.3 For Station Post Insulator.

Having one of the following qualifications :

- 6.3.1 Having supply record of Equipment of the type and similar ANSI technical reference number proposed with successful operation/use for at least three (3) consecutive years in overseas country (not his own country).

OR

- 6.3.2 Having a letter of acceptance for manufacturing and/or fabrication of the specific Equipment issued by EGAT within the scope specified therein. (For the local manufacturer)

- 6.4 For Battery Charger, 33 kV and below Cable Terminations, Switchyard Lighting Fixtures, Aluminum Tube, Compression Connector and Miscellaneous Hardware, Bus Fittings, Ground Rod, Thermite Welding Material, Grounding Hardware, Rigid Steel Conduit and Conduit Fittings.

Having one of the following qualifications :

- 6.4.1 Having supply record of Equipment of the type and similar ratings proposed with successful operation/use for at least one (1) year.

OR

- 6.4.2 Having a letter of acceptance for manufacturing and/or fabrication of the specific Equipment issued by EGAT within the scope specified therein. (For the local manufacturer)

- 6.5 For above 33kV through 500 kV Outdoor Type Cable Termination and Cable Termination for GIS.

Having one of the following qualifications :

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

OR

- 6.5.2 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 five (5) 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 five (5) 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.

7. Having the design test record of Equipment of the type and similar ratings proposed in order to confirm that the manufacturer has an experience of design test performance on his Equipment. The design test record shall be performed according to the test specified in EGAT's specification. In case it is specified in EGAT's specification that the proposed Equipment shall have the design test record of the same type and same rating, such design test record shall be submitted as requested by EGAT.
8. 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.

A-4. Joint Venture or Consortium

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

A-5. Preparation and Delivery of Bids

Bids shall be prepared in accordance with the Instructions to Bidders contained in the Bidding Documents in one (1) original *hard copy and one (1) electronic copy contained in USB flash drive*, in English, on the bid forms included for this purpose and shall be accompanied with a bid security as required under Article B-3. Bid Security in a separate sealed envelope.

For preparation of original hard copy, each page of the original hard copy shall be marked with the volume number and the page number in the lower right-hand corner, for example, Volume 1 of 10 and Page 1 of 100.

For preparation of electronic copy, each volume of the signed original hard copy shall be scanned into one (1) PDF file and each PDF file shall be named according to the volume number.

The USB flash drive shall contain electronic files of the proposal in the following formats :-

- PDF files of all pages of each volume of the proposal, and*
- Excel files of filled-in Proposal Data, and*
- Excel files of filled-in Price Schedule*

In the event of any discrepancy between the original hard copy and the electronic file(s), the original hard copy shall govern.

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

INVITATION TO BID NO. TIEC-SSVT-IPPP-TILS-MC1-01

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

SUBSTATION LOW VOLT IMPROVEMENT WITH SSVT

**TRANSMISSION SYSTEM DEVELOPMENT
FOR POWER PURCHASE FROM IPP POWER PLANTS**

**TRANSMISSION SYSTEM IMPROVEMENT PROJECT
IN LOWER SOUTHERN REGION TO ENHANCE SYSTEM SECURITY**

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 the ***place and*** time specified in ***Tentative Schedule***.

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

A-6. Availability of Bidding Documents

The Bidding Documents are available for examination ***and online purchase at <http://www4.egat.co.th/fprocurement/biddingeng/>*** and can be obtained ***by downloading via link provided by EGAT*** upon payment to EGAT, non-refundable, in the amount of USD 10.- or Baht 300.-. These prices include the value added tax.