

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

REGISTRATION FORM

INVITATION TO BID NO. RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)

FOR SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE 2

TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN,

CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM

SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

AVAILABLE DURATION FOR PURCHASING March 26, 2018 TO May 9, 2018

PRICE USD 16.- OR THB 500.-

COMPLETE DATA IS REQUIRED FOR THE BIDDER'S OWN BENEFITS

(โปรดกรอกรายละเอียดให้ครบถ้วนเพื่อประโยชน์ของบริษัท)

Step 2 : Bring the payment receipt and filled-out registration Form (in English) to receive the bidding documents at Transmission System Development Area Foreign Procurement Department (Room No. 1202/2, 12th Floor, Building Tor. 101) Tel no. 02 436 0241-42

FOR PURCHASER			TAX ID :
NO.	RECEIPT NO. :	DATE :	PURCHASER (ผู้ซื้อ):
BIDDER'S NAME (บริษัทผู้ซื้อเอกสาร)			
ADDRESS (ที่อยู่)		COUNTRY :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :		e-GP Registration Date :	
LOCAL REPRESENTATIVE (ตัวแทนในประเทศ)			
ADDRESS (ที่อยู่)		TAX ID :	
ATTN. (ผู้รับผิดชอบ):		FAX NO.:	TEL.:
E-mail :			

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

Step 1 : Submit this part for payment at Receivable Cashier Section (1st Floor, TOR 100 Bldg., Counter 4-8) Tel no. 02 436 5512

FOR PURCHASER		TAX ID :
BIDDER'S NAME (บริษัทผู้ซื้อเอกสาร)		
ADDRESS (ที่อยู่)		
BID NO. <u>RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)</u>	PRICE <u>USD 16.- OR THB 500.-</u> DURATION FOR PURCHASING <u>March 26, 2018 TO May 9, 2018</u>	



INVITATION TO BID NO. RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE 2

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

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM
SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

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) : THB 11,100,000.-

Eligibility of Bidders

1. The Bidder shall be a juristic person who manufactures or provides such materials or services and shall not be named in the List of Work Abandoners published by the Office of Prime Minister and/or in the Debarment List and/or in the List of Work Abandoners declared by EGAT.
2. The Bidder shall neither fail to submit the Revenue and Expense Accounts nor fail to present proper and complete accounts under the Notification of National Anti-Corruption Commission Concerning Principles and Methods of Preparing Revenue and Expense Accounts of Project between Individual/Company and Government Agencies B.E. 2554 (A.D. 2011) issued on August 11, 2011 as amended from time to time ("the Notification").
3. The Bidder shall register for e-Government Procurement (e-GP) at Thai Government Procurement website (www.gprocurement.go.th at telephone No. 66 2127 7386 – 89) of the Comptroller General's Department of Thailand.
4. 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.
5. 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.
6. 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.
7. 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 26, 2018 to May 9, 2018 at USD 16.- or THB 500.- per copy, non-refundable, at the following address :

Transmission System Development Area Foreign Procurement Department
(Room No. 1202/2, 12th Floor, Building Tor. 101)

Foreign Supply and Procurement Division
Electricity Generating Authority of Thailand
Bangkruai, Nonthaburi 11130, Thailand

Fax no. 66 2433 6317, 66 2433 5523, 66 2434 4064

Telephone no. 66 2436 0241

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

Nilanah Osolpavapusi

For more details and downloading Registration Form for purchasing Bidding Documents on website :
<http://www4.egat.co.th/fprocurement/biddingeng/>

Payment can be made by a certified cheque or money order payable to EGAT or by a telegraphic transfer to EGAT's current account no. 109-6-01958-2 (swift code : KRTHTHBK), Krung Thai Bank Public Company Limited, 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 Room No. 1202/1, 12th Floor, Building Tor. 101 during 9:30 hrs. to 10:00 hrs., Bangkok Standard Time, May 22, 2018 and will be opened publicly at 10:00 hrs.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

March 15, 2018

Nilanate Osotpavapusit

(Mrs. Nilanate Osotpavapusit)

Chief, Transmission System Development Area
Foreign Procurement Department



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

เรื่อง ประกวดราคาซื้อ เลขที่ RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะซื้อ Miscellaneous Equipment ภายใต้โครงการปรับปรุงและขยายระบบส่งไฟฟ้าที่เสื่อมสภาพตามอายุการใช้งานระยะที่ 2 โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง ภาคกลาง และกรุงเทพมหานคร เพื่อเสริมความมั่นคงระบบไฟฟ้า โครงการขยายระบบส่งไฟฟ้าหลักเพื่อรองรับโรงไฟฟ้าผู้ผลิตเอกชนรายเล็กระบบ Cogeneration ตามระเบียบการรับซื้อไฟฟ้าปี 2553 โดยใช้งบประมาณ กฟผ.

สถานที่ส่งมอบ : ท่าเรือกรุงเทพฯ / หน้าโรงงานผู้ผลิต

ราคากลาง(รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) : 11,100,000.- บาท

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้ผลิตหรือเป็นผู้มีอาชีพขายพัสดุตามประกาศและต้องไม่เป็นผู้ที่งานซึ่งสำนักนายกรัฐมนตรีได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ที่งานตามคำสั่ง กฟผ.
2. ต้องไม่อยู่ในฐานะเป็นผู้ไม่แสดงบัญชีรายรับรายจ่าย หรือแสดงบัญชีรายรับรายจ่ายไม่ถูกต้องครบถ้วนในสาระสำคัญ ตามประกาศคณะกรรมการป้องกันและปราบปรามการทุจริตแห่งชาติ เรื่อง หลักเกณฑ์และวิธีการจัดทำและแสดงบัญชีรายการรับจ่ายของโครงการที่บุคคลหรือนิติบุคคลเป็นคู่สัญญากับหน่วยงานของรัฐ พ.ศ. 2554 และที่แก้ไขเพิ่มเติม
3. ต้องเป็นนิติบุคคลที่ได้ลงทะเบียนในระบบอิเล็กทรอนิกส์ (e-Government Procurement : e-GP) ของกรมบัญชีกลางที่เว็บไซต์ศูนย์ข้อมูลจัดซื้อจัดจ้างภาครัฐ (www.gprocurement.go.th) โทรศัพท์ หมายเลข 0 2127 7386 – 89
4. ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอราคารายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
5. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทนหรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอราคา
6. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอราคาได้มีคำสั่งให้สละสิทธิ์และความคุ้มกันเช่นนั้น
7. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้า (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคาในนามของกิจการร่วมค้า ตั้งแต่การเสนอราคาจนถึงสิ้นสุดข้อผูกพันกับ กฟผ.

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อขอทราบรายละเอียด เพื่อตรวจสอบคุณสมบัติของผู้เสนอราคา และขอซื้อเอกสารประกวดราคา ในราคาชุดละ 500.- บาท ได้ที่ แผนกซื้องานวิศวกรรมระบบส่ง (ห้อง 1202/2 ชั้น 12 อาคาร ท.101) กองจัดหาต่างประเทศสายงานพัฒนาระบบส่ง ฝ่ายพัสดุและจัดหาต่างประเทศ การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่วันที่ 26 มีนาคม 2561 ถึงวันที่ 9 พฤษภาคม 2561 หรือสอบถามทางโทรศัพท์ หมายเลข

Doanor โฉงถงกุง

0 2436 0241 หรืออีเมล procurement.tse@egat.co.th ทั้งนี้ สามารถ download แบบฟอร์มลงทะเบียนผู้ซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng/>

การยื่นซองประกวดราคา

กำหนดยื่นซองประกวดราคา ในวันที่ 22 พฤษภาคม 2561 เวลา 9:30 น. ถึง 10:00 น. และเปิดซองประกวดราคา เวลา 10:00 น. ณ ห้อง 1202/1 ชั้น 12 อาคาร ท.101 การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย เชียงสะพานพระราม 7 จังหวัดนนทบุรี

ประกาศ ณ วันที่ 15 มีนาคม 2561

กนิษฐา โงงองตง

(นางนิลเนตร ไอสถภาวุชิต)

หัวหน้ากองจัดหาต่างประเทศสายงานพัฒนาระบบส่ง

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)

ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ ประกวตราค่าเลขที่ RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)
งานจัดซื้อ Miscellaneous Equipment
โครงการปรับปรุงและขยายระบบส่งไฟฟ้าที่เสื่อมสภาพตามอายุการใช้งานระยะที่ 2
โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง
ภาคกลางและกรุงเทพมหานครเพื่อเสริมความมั่นคงระบบไฟฟ้า
โครงการขยายระบบส่งไฟฟ้าหลักเพื่อรองรับโรงไฟฟ้าผู้ผลิตเอกชนรายเล็กระบบ Cogeneration
ตามระเบียบการรับซื้อไฟฟ้าปี พ.ศ. 2553

/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการปรับปรุงและขยายระบบส่งไฟฟ้าที่เสื่อมสภาพตามอายุการใช้งานระยะที่ 2
งบประมาณ 21,900 ล้านบาท

โครงการปรับปรุงระบบส่งไฟฟ้าบริเวณภาคตะวันออกเฉียงเหนือ ภาคเหนือตอนล่าง
ภาคกลางและ กรุงเทพมหานคร เพื่อเสริมความมั่นคงระบบไฟฟ้า งบประมาณ 94,040 ล้านบาท
โครงการขยายระบบส่งไฟฟ้าหลักเพื่อรองรับโรงไฟฟ้าผู้ผลิตเอกชนรายเล็กระบบ Cogeneration
ตามระเบียบการรับซื้อไฟฟ้าปี พ.ศ. 2553 งบประมาณ 10,610 ล้านบาท

3. วันที่กำหนดราคากลาง 23 กุมภาพันธ์ 2561 (วันที่ อวส. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 11,100,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ


4. แหล่งที่มาของราคากลาง หลักเกณฑ์การกำหนดราคากลางงานจัดซื้อจัดจ้างสายงานพัฒนาระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

5.1 นางสาวมธุรส ชมาฤกษ์ วศ.10 กวอ-พส.

5.2 นางสาวปวีณญาดา ศิริพิพรรธ วศ.4 หสพ-พส. กวอ-พส.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อากรขาเข้า เป็นต้น


สุนิสา แยมอยู่
หขส-ห.

MEDIUM COST OF BID NO. RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)

SUMMARY OF BID PRICE

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

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

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

No.	Description	Currency	Supply of Equipment	
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2	THB	3,729,533.90	3,327,563.80
2	TRANSMISSION SYSTEM IMPROVEMENT PROJECT IN NORTHEASTERN, LOWER NORTHERN, CENTRAL REGIONS AND BANGKOK AREA TO ENHANCE SYSTEM SECURITY	THB	1,354,281.50	372,011.20
3	MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010	THB	1,395,869.45	XXXXX
BID PRICE			6,479,684.85	3,699,575.00
OTHER EXPENSE			129,593.70	XXXXX
VAT			462,649.50	258,970.25
SUMMARY OF BID PRICE			7,071,928.05	3,958,545.25
TOTAL BID PRICE			11,030,473.30	
TOTAL BID PRICE (ROUNDED)			11,100,000.00	

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
SUMMARY OF BID PRICE
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

No.	Description	Currency	Supply of Equipment	Supply of Equipment
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule A1 : Suspension Insulator	THB	827,640.00	
2	Schedule A2 : 115 kV and Below Station Post Insulator	THB	929,302.00	
3	Schedule A3 : Switchyard Lighting Fixtures	THB		422,304.30
4	Schedule A4 : Aluminum Tube	THB		815,457.50
5	Schedule A5 : 230 kV and Below Compression Connector and Miscellaneous Hardware	THB		988,003.50
6	Schedule A6 : 230 kV and Below Bus Fittings	THB	1,972,591.90	

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
MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

SUMMARY OF BID PRICE

SUPPLY OF MISCELLANEOUS EQUIPMENT


TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

No.	Description	Currency	Supply of Equipment	Supply of Equipment
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
7	Schedule A7 : Rigid Steel Conduit	THB		853,556.00
8	Schedule A8 : Conduit Fittings	THB		248,242.50
TOTAL PRICE		THB	3,729,533.90	Baht
				3,327,563.80


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
MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

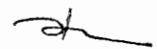
Schedule A1 : Suspension Insulator

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A1-1	Reference : Specification No. 601 Suspension insulator ANSI 52-3 as per Specification attached	1,200	disc	THB	689.70	827,640.00
Total Price for Schedule A1				THB	Baht	827,640.00


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule A2 : 115 kV and Below Station Post Insulator

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A2-1	Reference : Specification No. 601 115 kV station post insulator ANSI TR. No. 286 (Length of mounting bolts for top and bottom end shall be 28 and 32 mm respectively.)	155		THB	5,275.60	817,718.00
A2-2	22 kV station post insulator ANSI TR. No. 208 (Length of mounting bolts for top and bottom end shall be 25 and 30 mm respectively.)	40		THB	889.90	35,596.00
A2-3	7.5 kV station post insulator ANSI TR. No. 202 (Length of mounting bolts for both top and bottom end shall be 25 mm.)	110		THB	690.80	75,988.00
				THB	Baht	
Total Price for Schedule A2						929,302.00


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)


Schedule A3 : Switchyard Lighting Fixtures

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A3-1	Reference : Specification No.611 Flood lighting fixture, 250 W, high pressure sodium lamp as per Specification attached	3		THB	4,955.50	14,866.50
A3-2	Fence lighting fixture, 150 W, high pressure sodium lamp as per Specification attached	21		THB	8,534.90	179,232.90
A3-3	Tapered galvanized steel lamp post (LP1) H=5000 mm.complete with 5 A 250 V plug fuse, 20 A 500 V terminal block for accepting 4 sq.mm. of incoming and outgoing cables and anchor bolts as per DWG. No. ST-LP-0-02 and SD-AB-0-01	21		THB	10,866.90	228,204.90
	* Equipment in item A3-2 and A3-3 will be used together as a complete set referring to article relevant to Liquidated Damages for Late Delivery of Equipment.					
Total Price for Schedule A3				THB	Baht	422,304.30


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule A4 : Aluminum Tube

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A4-1	Reference : Specification No. 605 Aluminum tube 2.0" IPS Sch.40, 6 meters long	160		THB	2,079.00	332,640.00
A4-2	Aluminum tube 3.0" IPS Sch.40, 6 meters long	95		THB	3,716.90	353,105.50
A4-3	Aluminum tube 5.0" IPS Sch.40, 6 meters long	20		THB	6,485.60	129,712.00
Total Price for Schedule A4				THB	Baht	815,457.50

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
Schedule A5 : 230 kV and Below Compression Connector and Miscellaneous Hardware
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A5-1	Reference : Specification No. 605 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)	210		THB	504.90	106,029.00
A5-2	Compression terminal for 477 MCM ACSR Hawk, straight type, two holes NEMA pad without mounting bolt, PLP Cat. No. A4DD17831T or equal (Legend No. 16.53)	20		THB	222.20	4,444.00
A5-3	Compression tee for 477 MCM ACSR Hawk, four holes NEMA pad, PLP Cat. No. A4DD16930T or equal (Legend No. 17.41)	10		THB	404.80	4,048.00
A5-4	Compression tee for 1272 MCM ACSR, four holes NEMA pad, PLP Cat. No. A4DD16883T or equal (Legend No. 17.43)	130		THB	718.30	93,379.00
A5-5	Compression dead end for 477 MCM ACSR Hawk, with non-adjustable clevis bolts, nuts and cotter key, two holes NEMA tap pad, PLP Cat. No. A4DD17881T or equal (Legend No. 24.13)	20		THB	1,206.70	24,134.00
A5-6	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)	165		THB	1,573.00	259,545.00
A5-7	Strain clamp for 3/8 inch diameter galvanized steel OHG wire, PLP Cat. No. A3DD4749T or equal (Legend No. 12.21)	40		THB	864.60	34,584.00
A5-8	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)	60		THB	133.10	7,986.00
A5-9	Ball clevis 16 mm., PLP Cat. No. A4DD08248T or equal (Legend No. 80.01)	60		THB	173.80	10,428.00
A5-10	Ball eye 16 mm., PLP Cat. No. A4DD1114T or equal (Legend No. 80.06)	130		THB	128.70	16,731.00
A5-11	Socket clevis 16 mm., PLP Cat. No. A4DD10476T or equal (Legend No. 80.11)	25		THB	209.00	5,225.00
A5-12	Socket eye with 19 mm. boss, PLP Cat. No. A4DD17834T or equal (Legend No. 80.16)	85		THB	174.90	14,866.50
A5-13	Socket eye with 16 mm. boss, PLP Cat. No. A4DD17835T or equal (Legend No. 80.17)	20		THB	215.60	4,312.00
A5-14	Twisted clevis tongue 20 mm., PLP Cat. No. A4DD17798T or equal (Legend No. 80.23)	110		THB	250.80	27,588.00
A5-15	Bow shackle 16 mm., PLP Cat. No. A4DD14164T or equal (Legend No. 80.31)	140		THB	144.10	20,174.00
A5-16	Turnbuckle clevis-clevis 3/4 x 12 inch size and take up, PLP Cat. No. A4DD17520T or equal (Legend No. 80.36)	30		THB	1,775.40	53,262.00
A5-17	Turnbuckle clevis-eye 5/8 x 12 inch size and take up, PLP Cat. No. A4DD17880T or equal (Legend No. 80.38)	20		THB	1,675.30	33,506.00
A5-18	Turnbuckle eye-eye 3/4 x 12 inch size and take up, PLP Cat. No. A4DD17521T or equal (Legend No. 80.39)	55		THB	1,449.80	79,739.00
A5-19	Strain yoke plate 200 mm. spacing 18 mm. hole, PLP Cat. No. A4DD10569T or equal (Legend No. 80.41)	20		THB	269.50	5,390.00

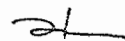
MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
 Schedule A5 : 230 kV and Below Compression Connector and Miscellaneous Hardware
 SUPPLY OF MISCELLANEOUS EQUIPMENT
 TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A5-20	Extension strap eye-eye 18 inch long, PLP Cat. No. A4DD17225T or equal (Legend No. 80.47)	10		THB	190.30	1,903.00
A5-21	3.5 inch sub-base 5 inch bc on top and bottom, PLP Cat. No. A4DD17490T or equal (Legend No. 80.51)	150		THB	851.40	127,710.00
A5-22	6.0 inch sub-base 3 inch bc on top and bottom, PLP Cat. No. A4DD17643T or equal (Legend No. 80.52)	40		THB	660.00	26,400.00
A5-23	Galvanized steel bolt, M16, 60 mm. long as per Dwg. No. SD-AB-0-01 (Rev.7) (Legend No. 90.31)	605		THB	31.90	19,299.50
A5-24	Galvanized steel nut for M16 bolt as per Dwg. No. SD-AB-0-01 (Rev.7) (Legend No. 90.36)	605		THB	6.60	3,993.00
A5-25	Galvanized steel spring washer for M16 bolt as per Dwg. No. SD-AB-0-01 (Rev.7) (Legend No. 90.46)	605		THB	5.50	3,327.50
Total Price for Schedule A5				THB	Baht	988,003.50


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
Schedule A6 : 230 kV and Below Bus Fittings
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A6-1	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)	45		THB	687.67	30,945.15
A6-2	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)	25		THB	687.67	17,191.75
A6-3	Bus support clamp, with 5 inch bc fitting for 477 MCM AAC or ACSR, Burndy Cat. No. UHKR13A-5B or equal (Legend No. 13.24)	5		THB	1,030.07	5,150.35
A6-4	Bus support clamp, with 3 inch bc fitting for 477 MCM AAC or ACSR, Burndy Cat. No. UHKR13A-3B or equal (Legend No. 13.34)	5		THB	968.28	4,841.40
A6-5	Bus support clamp, with 5 inch bc fitting for 1272 MCM ACSR, Burndy Cat. No. UHKR16A-5B or equal (Legend No. 13.45)	15		THB	1,094.02	16,410.30
A6-6	Bus support clamp, with 3 inch bc fitting for 1272 MCM ACSR, Burndy Cat. No. UHKR16A-3B or equal (Legend No. 13.55)	105		THB	990.30	103,981.50
A6-7	Bus support clamp, with 5 inch bc fitting for 2x1272 MCM ACSR, Burndy Cat. No. U2HKR16A-5B or equal (Legend No. 13.45)	5		THB	2,034.86	10,174.30
A6-8	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)	115		THB	1,616.04	185,844.60
A6-9	Bus support clamp, with 3 inch bc fitting for 3 inch IPS aluminum tube, slip or rigid fit, Burndy Cat. No. UHG20A-3B or equal (Legend No. 15.25)	30		THB	1,605.08	48,152.40
A6-10	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)	60		THB	557.67	33,460.20
A6-11	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)	65		THB	772.06	50,183.90
A6-12	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)	10		THB	1,455.04	14,550.40
A6-13	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	5,892.04	58,920.40
A6-14	Terminal connector, weld type for 2x1272 MCM ACSR, Burndy Cat. No. W2A54R-4N or equal (Legend No. 28.63)	85		THB	644.30	54,765.50

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
Schedule A6 : 230 kV and Below Bus Fittings
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A6-15	Terminal connector, weld type for 477 MCM ACSR, Burndy Cat. No. WA41R-4N or equal (Legend No. 29.81)	215		THB	265.69	57,123.35
A6-16	Terminal connector, weld type for 1272 MCM ACSR, Burndy Cat. No. WA54R-4N or equal (Legend No. 29.83)	670		THB	348.52	233,508.40
A6-17	Terminal connector 90 degree, weld type for 477 MCM ACSR, Burndy Cat. No. WA41R-4N-90 or equal (Legend No. 29.91)	5		THB	171.92	859.60
A6-18	Terminal connector 90 degree, weld type for 1272 MCM ACSR, Burndy Cat. No. WA54R-4N-90 or equal (Legend No. 29.93)	10		THB	171.92	1,719.20
A6-19	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)	125		THB	194.65	24,331.25
A6-20	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), Terminal pad shall be 4" NEMA pad.	20		THB	319.68	6,393.60
A6-21	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)	5		THB	427.66	2,138.30
A6-22	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)	50		THB	3,008.94	150,447.00
A6-23	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), Terminal pad shall be 4" NEMA pad.	15		THB	3,611.75	54,176.25
A6-24	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)	80		THB	179.73	14,378.40
A6-25	Connector angle " T ", weld type for 3 inch IPS aluminum tube run to 80 degree 2 inch IPS aluminum tube tap, Burndy Cat. No. SWT20A18A-80 or equal (Legend No. 39.27)	55		THB	225.19	12,385.45
A6-26	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)	20		THB	466.15	9,323.00
A6-27	Connector " V ", weld type for 2 inch IPS aluminum tube run to 20 degree 2 inch IPS aluminum tube tap, Burndy Cat. No. SWAT18A18A-20 or equal (Legend No. 41.13)	30		THB	484.50	14,535.00
A6-28	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)	40		THB	419.85	16,794.00

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule A6 : 230 kV and Below Bus Fittings

SUPPLY OF MISCELLANEOUS EQUIPMENT

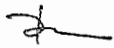
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2


Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A6-29	Connector " V ", weld type for 3 inch IPS aluminum tube run to 20 degree 3 inch IPS aluminum tube tap, Burndy Cat. No. SWAT20A20A-20 or equal (Legend No. 41.34)	10		THB	929.91	9,299.10
A6-30	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)	135		THB	387.32	52,288.20
A6-31	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)	30		THB	387.60	11,628.00
A6-32	Bar tap, weld type for 5 inch IPS aluminum tube to four holes NEMA pad, Burndy Cat. No. SWAB24A-4N or equal (Legend No. 42.06)	15		THB	425.11	6,376.65
A6-33	Coupler, weld type for 2 inch IPS Sch.40 aluminum tube, Burndy Cat. No. WS18A-F or equal (Legend No. 44.02)	45		THB	280.61	12,627.45
A6-34	Coupler, weld type for 3 inch IPS Sch.40 aluminum tube, Burndy Cat. No. WS20A-F or equal (Legend No. 44.04)	90		THB	396.84	35,715.60
A6-35	Coupler, weld type for 5 inch IPS Sch.40 aluminum tube, Burndy Cat. No. WS24A-F or equal (Legend No. 44.06)	30		THB	921.16	27,634.80
A6-36	Corona bell, internal type for 2 inch IPS Sch.40 aluminum tube, Burndy Cat. No. LB18A or equal (Legend No. 45.54)	95		THB	117.22	11,135.90
A6-37	Corona bell, internal type for 3 inch IPS Sch.40 aluminum tube, Burndy Cat. No. LB20A or equal (Legend No. 45.56)	40		THB	101.90	4,076.00
A6-38	Corona bell, internal type for 5 inch IPS Sch.40 aluminum tube, Burndy Cat. No. LB24A or equal (Legend No. 45.58)	10		THB	228.91	2,289.10
A6-39	Spacer connector for 2x1272 MCM ACSR, distance between conductor center 100 mm., Burndy Cat. No. S2GBP46A-10 or equal (Legend No. 47.05)	70		THB	325.29	22,770.30
A6-40	Ground connector, weld type for 2 inch IPS aluminum tube, Burndy Cat. No. WG19A or equal (Legend No. 47.51)	25		THB	260.71	6,517.75
A6-41	Ground connector, weld type for 3 inch IPS aluminum tube, Burndy Cat. No. WG86A or equal (Legend No. 47.52)	10		THB	138.56	1,385.60
A6-42	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)	4,760		THB	29.52	140,515.20
A6-43	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)	830		THB	31.99	26,551.70
A6-44	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)	5,585		THB	6.08	33,956.80

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)
Schedule A6 : 230 kV and Below Bus Fittings
SUPPLY OF MISCELLANEOUS EQUIPMENT
TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A6-45	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)	11,175		THB	10.75	120,131.25
A6-46	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)	5,585		THB	18.27	102,037.95
A6-47	Aluminum joint compound in 8-oz bottles, Burndy Cat. No. P8A or equal (Legend No. 90.91)	215		THB	525.44	112,969.60
				THB	Baht	
Total Price for Schedule A6						1,972,591.90


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)


Schedule A7 : Rigid Steel Conduit

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A7-1	Reference : Specification No. 522 Rigid steel conduit 2.0 inch dia., 3.05 m long	455		THB	1,036.20	471,471.00
A7-2	Rigid steel conduit 2.5 inch dia., 3.05 m long	170		THB	1,776.50	302,005.00
A7-3	Rigid steel conduit 3.0 inch dia., 3.05 m long	35		THB	2,288.00	80,080.00
Total Price for Schedule A7				THB	Baht	853,556.00


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule A8 : Conduit Fittings

SUPPLY OF MISCELLANEOUS EQUIPMENT

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE2

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
A8-1	Reference : Specification No. 522 Bushing for rigid steel conduit 2.0 inch dia.	635		THB	112.20	71,247.00
A8-2	Bushing for rigid steel conduit 2.5 inch dia.	340		THB	196.90	66,946.00
A8-3	Bushing for rigid steel conduit 3.0 inch dia.	90		THB	261.80	23,562.00
A8-4	Lock nut for rigid steel conduit 2.0 inch dia.	635		THB	56.10	35,623.50
A8-5	Lock nut for rigid steel conduit 2.5 inch dia.	340		THB	104.50	35,530.00
A8-6	Lock nut for rigid steel conduit 3.0 inch dia.	90		THB	150.70	13,563.00
A8-7	Service entrance for rigid steel conduit 3.0 inch dia.	5		THB	354.20	1,771.00
Total Price for Schedule A8				THB	Baht	248,242.50

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

SUMMARY OF BID PRICE

SUPPLY OF MISCELLANEOUS EQUIPMENT

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

No.	Description	Currency	Supply of Equipment	Supply of Equipment
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule B1 : 500 kV Station Post Insulator	THB	760,551.00	
2	Schedule B2 : Switchyard Lighting Fixtures	THB		247,667.20
3	Schedule B3 : Rigid Steel Conduit	THB		124,344.00
4	Schedule B4 : Conduit Fittings	THB	593,730.50	
TOTAL PRICE		THB	1,354,281.50	Baht
				372,011.20

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule B1 : 500 kV Station Post Insulator

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	Unit Price	Amount
B1-1	Reference : Specification No. 601 500 kV station post insulator ANSI TR. No. 391, high creepage distance of not less than 13,750 mm. (Length of mounting bolts for both top and bottom end shall be 45 mm.)	30	disc	THB	25,351.70	760,551.00
Total Price for Schedule B1				THB	Baht	760,551.00

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule B2 : Switchyard Lighting Fixtures

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	Unit Price	Amount
B2-1	Reference : Specification No.611 Flood lighting fixture, LED lamp, 10000 lumen, wide-beam, complete with control gear as per Specification attached	6		THB	15,408.80	92,452.80
B2-2	Fence lighting fixture, 150 W, high pressure sodium lamp as per Specification attached	8		THB	8,534.90	68,279.20
B2-3	Tapered galvanized steel lamp post (LP1) H=5000 mm. complete with 5 A 250 V plug fuse, 20 A 500 V terminal block for accepting 4 sq.mm. of incoming and outgoing cables and anchor bolts as per DWG. No. ST-LP-0-02 and SD-AB-0-01	8		THB	10,866.90	86,935.20
	* Equipment in item B2-2 and B2-3 will be used together as a complete set referring to article relevant to Liquidated Damages for Late Delivery of Equipment.					
Total Price for Schedule B2				THB	Baht	247,667.20

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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule B3 : 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	Currency	Unit Price	Amount
B3-1	Reference : Specification No.522 Rigid steel conduit 2.0 inch dia., 3.05 m long	120		THB	1,036.20	124,344.00
Total Price for Schedule B3				THB	Baht	124,344.00


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule B4 : Conduit Fittings

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	Unit Price	Amount
B4-1	Reference : Specification No.522 Bushing for rigid steel conduit 2.0 inch dia.	270		THB	112.20	30,294.00
B4-2	Bushing for rigid steel conduit 2.5 inch dia.	105		THB	196.90	20,674.50
B4-3	Bushing for rigid steel conduit 3.0 inch dia.	160		THB	261.80	41,888.00
B4-4	Lock nut for rigid steel conduit 2.0 inch dia.	270		THB	56.10	15,147.00
B4-5	Lock nut for rigid steel conduit 2.5 inch dia.	105		THB	104.50	10,972.50
B4-6	Lock nut for rigid steel conduit 3.0 inch dia.	160		THB	150.70	24,112.00
B4-7	HDPE conduit 110 mm. dia.	1,190		THB	261.80	311,542.00
B4-8	Coupling for rigid steel conduit 2.0 inch dia.	105		THB	211.20	22,176.00
B4-9	Flexible rain tight conduit 2.0 inch dia., 15 meter/package	30		THB	441.10	13,233.00
B4-10	Connector for flexible rain tight conduit 2.0 inch dia.	215		THB	479.60	103,114.00
B4-11	Conduit pipe clamp for rigid steel conduit 2.0 inch dia.	15		THB	38.50	577.50
Total Price for Schedule B4				THB	Baht	593,730.50


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)


SUMMARY OF BID PRICE

SUPPLY OF MISCELLANEOUS EQUIPMENT

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

No.	Description	Currency	Supply of Equipment	Supply of Equipment
			Foreign Supply	Local Supply
			CFR Thai Port	Ex-works Price (excluding VAT) Baht
			Amount	Amount
1	Schedule C1 : 230 kV and below Bus Fittings	THB	1,395,869.45	
TOTAL PRICE		THB	1,395,869.45	Baht


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MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule C1 : 230 kV and below Bus Fittings

SUPPLY OF MISCELLANEOUS EQUIPMENT

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
C1-1	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	687.67	3,438.35
C1-2	Bus support clamp, with 5 inch bc fitting for 1272 MCM ACSR, Burndy Cat. No. UHKR16A-5B or equal (Legend No. 13.45)	5		THB	1,094.02	5,470.10
C1-3	Bus support clamp, with 3 inch bc fitting for 1272 MCM ACSR, Burndy Cat. No. UHKR16A-3B or equal (Legend No. 13.55)	5		THB	990.30	4,951.50
C1-4	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)	5		THB	1,616.04	8,080.20
C1-5	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)	45		THB	557.67	25,095.15
C1-6	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)	30		THB	772.06	23,161.80
C1-7	Expansion bus support coupler, weld type with 5 inch bc fitting for 3 inch IPS Sch.40 aluminum tube, supplied with end cap, Burndy Cat. No. WXHP20A-5B-SG or equal (Legend No. 15.55)	10		THB	3,517.89	35,178.90
C1-8	Terminal connector, weld type for 2x1272 MCM ACSR, Burndy Cat. No. W2A54R-4N or equal (Legend No. 28.63)	245		THB	644.30	157,853.50
C1-9	Terminal connector, weld type for 477 MCM ACSR, Burndy Cat. No. WA41R-4N or equal (Legend No. 29.81)	120		THB	265.69	31,882.80
C1-10	Terminal connector, weld type for 1272 MCM ACSR, Burndy Cat. No. WA54R-4N or equal (Legend No. 29.83)	485		THB	348.52	169,032.20
C1-11	Terminal connector 90 degree, weld type for 1272 MCM ACSR, Burndy Cat. No. WA54R-4N-90 or equal (Legend No. 29.93)	10		THB	171.92	1,719.20
C1-12	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)	55		THB	194.65	10,705.75
C1-13	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), Terminal pad shall be 4" NEMA pad.	60		THB	319.68	19,180.80
C1-14	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)	5		THB	427.66	2,138.30
C1-15	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)	5		THB	3,008.94	15,044.70

MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule C1 : 230 kV and below Bus Fittings

SUPPLY OF MISCELLANEOUS EQUIPMENT

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
C1-16	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), Terminal pad shall be 4" NEMA pad.	55		THB	3,611.75	198,646.25
C1-17	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)	5		THB	4,379.90	21,899.50
C1-18	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)	90		THB	179.73	16,175.70
C1-19	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)	140		THB	466.15	65,261.00
C1-20	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)	45		THB	419.85	18,893.25
C1-21	Connector " V ", weld type for 3 inch IPS aluminum tube run to 20 degree 3 inch IPS aluminum tube tap, Burndy Cat. No. SWAT20A20A-20 or equal (Legend No. 41.34)	70		THB	929.91	65,093.70
C1-22	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)	5		THB	387.32	1,936.60
C1-23	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)	40		THB	387.60	15,504.00
C1-24	Coupler, weld type for 2 inch IPS Sch.40 aluminum tube, Burndy Cat. No. WS18A-F or equal (Legend No. 44.02)	20		THB	280.61	5,612.20
C1-25	Coupler, weld type for 3 inch IPS Sch.40 aluminum tube, Burndy Cat. No. WS20A-F or equal (Legend No. 44.04)	85		THB	396.84	33,731.40
C1-26	Corona bell, internal type for 2 inch IPS Sch.40 aluminum tube, Burndy Cat. No. LB18A or equal (Legend No. 45.54)	50		THB	117.22	5,861.00
C1-27	Corona bell, internal type for 3 inch IPS Sch.40 aluminum tube, Burndy Cat. No. LB20A or equal (Legend No. 45.56)	65		THB	101.90	6,623.50
C1-28	Spacer connector for 2x1272 MCM ACSR, distance between conductor center 100 mm., Burndy Cat. No. S2GBP46A-10 or equal (Legend No. 47.05)	95		THB	325.29	30,902.55
C1-29	Ground connector, weld type for 2 inch IPS aluminum tube, Burndy Cat. No. WG19A or equal (Legend No. 47.51)	5		THB	260.71	1,303.55
C1-30	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)	1,455		THB	29.52	42,951.60

MEDIUM COST OF BID NO. RTS2-MC1-05 AND TIEC-MC1-04 AND SPPC-MC1-06(R)

Schedule C1 : 230 kV and below Bus Fittings

SUPPLY OF MISCELLANEOUS EQUIPMENT

MAIN TRANSMISSION SYSTEM EXPANSION PROJECT FOR POWER PURCHASE FROM SPP COGENERATION POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010

Item No.	Description	Qty.	Unit	Currency	Unit Price	Amount
C1-31	Stainless steel hexagon head bolts, 0.5-13 inch, 3.5 inch long fully threaded and manufactures of series 18-8 material, coarse thread series class 2A tolerance, Burndy Cat. No. 50x350 HSSB or equal (Legend No. 90.52)	70		THB	38.07	2,664.90
C1-32	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)	3,045		THB	31.99	97,409.55
C1-33	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)	2,655		THB	6.08	16,142.40
C1-34	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)	9,110		THB	10.75	97,932.50
C1-35	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)	4,555		THB	18.27	83,219.85
C1-36	Aluminum joint compound in 8-oz bottles, Burndy Cat. No. P8A or equal (Legend No. 90.91)	105		THB	525.44	55,171.20
				THB	Baht	1,395,869.45
Total Price for Schedule C1						

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DATA SHEET

for

Invitation to Bid No. RTS2-MC1-05 and TIEC-MC1-04 and SPPC-MC1-06(R)

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

1. Article B-3. Bid Security

The amount of bid security shall be USD 17,550.- or THB 555,000.-.

2. Article B-4. Validity of Bids

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

3. Article B-8. Information to be Submitted with Bid:

Item n. is not applicable

4. Article B-12. Evaluation and Comparison of Bids:

The evaluation of bid prices shall be on a combination of all schedules basis.

5. Article E-29. Failure to Meet Requirements and F-10. Maintenance Guarantee

5.1 Maintenance Guarantee Period

5.1.1 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

5.1.2 For 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 five (5) Years.

5.2 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.

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

Schedules A1, A2, A3, A4, B1, and B2

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, provided that the total claim of liquidated damages shall not exceed ten (10) per cent of the Contract Price of such delayed Item.

Schedules A5, A6, A7, A8, B3, B4, and C1

The Liquidated Damages shall be at the rate of one-tenth of one (0.10) per cent of the price of each complete Schedule of Equipment not timely delivered for each Day of delay. This sum is payable regardless of the actual loss and/or damages incurred, provided that the total claim of liquidated damages shall not exceed ten (10) per cent of the Contract Price of such delayed Schedule.

**INVITATION TO BID NO. RTS2-MC1-05 and
TIEC-MC1-04 and SPPC-MC1-06(R)**

SUPPLY OF MISCELLANEOUS EQUIPMENT

**TRANSMISSION SYSTEM EXPANSION
AND RENOVATION PROJECT PHASE 2**

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

**MAIN TRANSMISSION SYSTEM EXPANSION PROJECT
FOR POWER PURCHASE FROM SPP COGENERATION
POWER PLANT, BASED ON REQUEST FOR PROPOSAL 2010**

Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for furnishing and delivering of Miscellaneous Equipment under Transmission System Expansion and Renovation Project Phase 2, Transmission System Improvement Project in Northeastern, Lower Northern, Central Regions and Bangkok Area to Enhance System Security, and Main Transmission System Expansion Project for Power Purchase from SPP Cogeneration Power Plant, based on Request for Proposal 2010 hereinafter called Equipment in accordance with the terms, conditions and Specifications described in these Bidding Documents.

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 five (5) Days prior to the bid opening date.

- c. The Bidder shall be well-established and maintain a permanent place of business. For a joint venture or consortium, all members of the joint venture or consortium are required to meet this qualification.
- d. The Bidder shall not be named in the List of Work Abandoners published by the Office of the Prime Minister and/or in the Debarment List and/or in the List of Work Abandoners declared by EGAT.
- e. The Bidder shall neither fail to submit the Revenue and Expense Accounts nor fail to present proper and complete accounts to the Revenue Department of Thailand, in accordance with the Notification of the National Anti-Corruption Commission Concerning Principles and Methods of Preparing Revenue and Expense Accounts of Project between Individual/Company and Government Agencies B.E. 2554 (A.D. 2011) as amended from time to time (“the Notification”).
- f. The Bidder shall register for e-Government Procurement (e-GP) at Thai Government Procurement website (www.gprocurement.go.th) at telephone No. 662 1277386 – 89) of the Comptroller General’s Department of Thailand.

Due to the fact that the e-GP system is not ready for registration for foreign Bidders who have no taxpayer identification number at this moment, foreign Bidders are, therefore, temporarily released from this qualification. However, whenever the e-GP system is ready, all foreign Bidders shall register in the e-GP system.

- g. 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.
- h. 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.
- i. 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.
- j. 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.

- k. 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.
- l. The Bidder shall not propose to supply the Equipment from the country under the state of war whether declared or not.
- m. The Bidder shall have adequate fund to meet financial obligations incidental to this Contract.
- n. 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.

Eligibility of Bidders: Technical Requirements

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

- a. The Bidder shall manufacture or supply the Equipment or Work as required under this invitation to bid.
- b. If the Bidder is a new company formed by acquisition of or merger with other companies or business units before submitting the Bid, the experience records of any of such previous companies or business units that meet the requirements set forth herein are acceptable as the experience records of the Bidder.
- 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.