

Notice to Bidder

To comply with the ENGINEER ACT, B.E. 2542 FOR THE CONSTRUCTION WORK RELATED TO DESIGN OR CONSTRUCTION SUPERVISION WORK

The Contractors should be aware of the following:

1. The Contractor who is a juristic person is required to obtain a License to Practice the Controlled Engineering Profession issued by the Council of Engineers Thailand.
2. Where the Contractor is a joint venture or consortium, the Contractor shall comply with the following requirements: -
 - 1) In case of a joint venture, the joint venture is required to obtain a License to Practice the Controlled Engineering Profession issued by the Council of Engineers Thailand.
 - 2) In case of a consortium, only the member of the consortium who will be responsible for the Design or Construction Supervision Work is required to obtain a License to Practice the Controlled Engineering Profession issued by the Council of Engineers Thailand.

NOTE : If you have any questions, please contact COUNCIL OF ENGINEERS THAILAND.

Address : 1616/1 Ladprao, Wangthonglang, Bangkok, Thailand 10310

Telephone : 1303

Email : coe@saraban.mail.go.th

ประชาสัมพันธ์ผู้ประกอบการเพื่อทราบ

เพื่อให้การดำเนินงานสำหรับงานจ้างก่อสร้างที่มีลักษณะงานด้านการออกแบบหรือควบคุมงานก่อสร้าง สอดคล้องกับพระราชบัญญัติวิศวกร พ.ศ. 2542 จึงขอแจ้งแนวทางในการดำเนินงาน ดังนี้

1. ผู้รับจ้างที่เป็นนิติบุคคล ต้องเป็นผู้ที่ได้รับใบอนุญาตประกอบวิชาชีพวิศวกรรมควบคุมสำหรับนิติบุคคลจากสภาวิศวกร
2. ผู้รับจ้างที่ดำเนินการในรูปแบบของ “กิจการร่วมค้า”
 - (1) กรณีที่กิจการร่วมค้าได้จดทะเบียนเป็นนิติบุคคลใหม่ กิจการร่วมค่านั้นต้องเป็นผู้ที่ได้รับใบอนุญาตประกอบวิชาชีพวิศวกรรมควบคุมสำหรับนิติบุคคลจากสภาวิศวกร
 - (2) กรณีที่กิจการร่วมค้าไม่ได้จดทะเบียนเป็นนิติบุคคลใหม่ เฉพาะนิติบุคคลที่มีหน้าที่เป็นผู้รับผิดชอบงานวิศวกรรมออกแบบหรือควบคุม ต้องเป็นผู้ที่ได้รับใบอนุญาตประกอบวิชาชีพวิศวกรรมควบคุมสำหรับนิติบุคคลจากสภาวิศวกร

หมายเหตุ หากมีข้อสงสัย โปรดติดต่อ สภาวิศวกร

ที่อยู่ : 1616/1 ถนนลาดพร้าว แขวงวังทองหลาง เขตวังทองหลาง กรุงเทพมหานคร 10310

เบอร์ติดต่อ : 1303

อีเมล : coe@saraban.mail.go.th

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) Fill-out the Registration Form and the proof of payment in the link provided in <https://www4.egat.co.th/fprocurement/biddingeng>

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.

- 2) The registration will be deemed complete only upon successful processing of the payment and confirmation of funds received.
- 3) 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.



Invitation to Bid No. SPSS-L-01

(Revision 1)

Supply and Construction of Submarine Cable System 230 kV Khanom – Ko Samui
Submarine Cable System Development Project to Samui Island in Surat Thani Province for
System Security Enhancement
Two-Envelope

The Electricity Generating Authority of Thailand (EGAT) is calling for the subject Invitation to Bid to be financed by EGAT's fund. The escalation factor (K) for price adjustment is applied to this Bid.

Place of Construction :

- Submarine Cable System 230 kV Khanom – Ko Samui Circuit No. 1 (approx. 49.36 kilometers)
- Submarine Cable System 230 kV Khanom – Ko Samui Circuit No. 2 (approx. 49.36 kilometers)

Medium Cost (including Value Added Tax and other expenses) : THB 9,125,000,000.-

Eligibility of Bidders

1. The Bidder shall be a juristic person who provides such 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 Thachakapat

Availability of Bidding Documents

Bidding Documents are available for online purchase during 8:00 hrs. to 15:00 hrs., Bangkok Standard Time, as from August 29, 2025 to September 29, 2025 at USD 1,000.- or THB 30,000.- per copy, non-refundable.

Please find more details for online purchasing process at <https://www4.egat.co.th/fprocurement/biddingeng> or contact for further information at telephone no. 66 2436 0342 or procurement.tse@egat.co.th.

Delivery of Bids

Technical and price proposal submission date and Technical proposal opening date is postponed from October 30, 2025 around one (1) month.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

October 21, 2025



(Mrs. Kannika Dhachalapat)

Chief, Procurement Department - Transmission System Segment



ประกาศการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
เรื่อง ประกวดราคาจ้าง เลขที่ SPSS-L-01
ประกวดราคา 2 ของ

(ฉบับแก้ไข ครั้งที่ 1)

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) มีความประสงค์จะจัดซื้อและจ้างก่อสร้างระบบเคเบิลใต้ทะเล 230 kV ขนอม - เกาะสมุย สำหรับโครงการพัฒนาระบบเคเบิลใต้ทะเลไปยังบริเวณอำเภอเกาะสมุย จังหวัดสุราษฎร์ธานี เพื่อเสริมความมั่นคงระบบไฟฟ้า โดยทำสัญญาแบบปรับราคาได้ (ค่า k) โดยใช้ขบประมาณ กฟผ.

สถานที่ก่อสร้าง :

- ระบบเคเบิลใต้ทะเล 230 kV สถานีไฟฟ้าแรงสูงขนอม - สถานีไฟฟ้าแรงสูงเกาะสมุย วงจรที่ 1 (ระยะทางประมาณ 49.36 กิโลเมตร)
- ระบบเคเบิลใต้ทะเล 230 kV สถานีไฟฟ้าแรงสูงขนอม - สถานีไฟฟ้าแรงสูงเกาะสมุย วงจรที่ 2 (ระยะทางประมาณ 49.36 กิโลเมตร)

ราคากลาง (รวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ) : 9,125,000,000.- บาท

คุณสมบัติของผู้เสนอราคา

1. ต้องเป็นนิติบุคคลผู้มีอาชีพรับจ้างตามประกวดราคาจ้างดังกล่าว และต้องไม่เป็นผู้ที่ทำงานซึ่งปลัดกระทรวงการคลังได้แจ้งเวียนชื่อไว้ หรือต้องไม่เป็นผู้ที่ กฟผ. ห้ามติดต่อหรือห้ามเข้าเสนอรราคา หรือต้องไม่เป็นผู้ที่ได้รับผลของการสั่งให้นิติบุคคลหรือบุคคลอื่นเป็นผู้ทำงานตามคำสั่ง กฟผ.
2. ต้องไม่เป็นผู้มีผลประโยชน์ร่วมกันกับผู้เสนอรการรายอื่น ณ วันประกาศประกวดราคาครั้งนี้เป็นต้นไป หรือต้องไม่เป็นผู้กระทำการอันเป็นการขัดขวางการแข่งขันราคาอย่างเป็นธรรมในการดำเนินการประกวดราคาครั้งนี้
3. ต้องไม่เป็นที่ปรึกษาของ กฟผ. หรือมีส่วนร่วมในบริษัทที่ปรึกษาของ กฟผ. ในงานนี้ หรือต้องไม่มีผู้ปฏิบัติงาน กฟผ. เข้าไปมีส่วนร่วมในกิจการของผู้เสนอรราคา ไม่ว่าจะในฐานะผู้ถือหุ้นที่มีสิทธิควบคุมการจัดการ กรรมการ ผู้อำนวยการ ผู้จัดการ พนักงาน ลูกจ้าง ตัวแทน หรือที่ปรึกษา ยกเว้น ในกรณีที่ผู้ปฏิบัติงานได้รับคำสั่งอย่างเป็นทางการจาก กฟผ. ให้ไปปฏิบัติงานหรือเข้าร่วมในกิจการของผู้เสนอรราคา
4. ต้องไม่เป็นผู้ได้รับเอกสิทธิ์หรือความคุ้มกัน ซึ่งอาจปฏิเสธไม่ยอมขึ้นศาลไทย เว้นแต่รัฐบาลของผู้เสนอรราคาได้มีคำสั่งให้สละสิทธิและความคุ้มกันเช่นนั้น
5. ผู้ประสงค์เข้าประกวดราคาในนามของกิจการร่วมค้าหรือกิจการค้าร่วม (Joint Venture or Consortium) จะต้องดำเนินการทุกขั้นตอนของการประกวดราคา ในนามของกิจการร่วมค้าหรือกิจการค้าร่วม ตั้งแต่การเสนอรราคาจนสิ้นสุดข้อผูกพันกับ กฟผ.

การขายเอกสารประกวดราคา

ผู้สนใจติดต่อซื้อเอกสารประกวดราคา ในราคาชุดละ 30,000.- บาท ในวันทำการระหว่างเวลา 08:00 น. ถึง 15:00 น. ตั้งแต่ วันที่ 29 สิงหาคม 2568 ถึงวันที่ 29 กันยายน 2568 ทั้งนี้ สามารถดูรายละเอียดการซื้อเอกสารประกวดราคาได้ที่เว็บไซต์ <http://www4.egat.co.th/fprocurement/biddingeng> หรือสอบถามข้อมูลเพิ่มเติมได้ทางโทรศัพท์ หมายเลข 0 2436 0342 หรืออีเมล procurement.tse@egat.co.th

การยื่นซองประกวดราคา

กำหนดยื่นซองข้อเสนอด้านเทคนิคพร้อมซองราคา และเปิดซองข้อเสนอด้านเทคนิค เลื่อนจากวันที่ 30 ตุลาคม 2568 ออกไปประมาณ 1 เดือน

ประกาศแก้ไข ณ วันที่ 21 ตุลาคม 2568

กมลทิศา อดิคุงษ์

(นางกรรณิกา ธชาลภักดิ์)

หัวหน้ากองจัดซื้อจัดจ้างสายงานระบบส่ง

**ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง**

1. ชื่อโครงการ Bid No. SPSS-L-01

การจัดซื้อและจ้างก่อสร้างระบบเคเบิลใต้ทะเล 230 kV ขนอม – เกาะสมุย

โครงการพัฒนาระบบเคเบิลใต้ทะเลไปยังบริเวณอำเภอเกาะสมุย จังหวัดสุราษฎร์ธานี

เพื่อเสริมความมั่นคงระบบไฟฟ้า

/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการพัฒนาระบบเคเบิลใต้ทะเลไปยังบริเวณอำเภอเกาะสมุย จังหวัดสุราษฎร์ธานี

เพื่อเสริมความมั่นคงระบบไฟฟ้า งบประมาณ 11,230 ล้านบาท

3. วันที่กำหนดราคากลาง 23 มิถุนายน 2568 (วันที่ รวร. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 9,125,000,000.00 บาท **ราคา/หน่วย** ตามเอกสารแนบ

4. แหล่งที่มาของราคากลาง

หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานพัฒนาระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

5.1 นางกุลวดี สุขแดง นสส-วส. กวสส-ร.

5.2 นางสาวสิรินยา ต้นสัจจา ทปส-ร. กวสส-ร.

5.3 นายทรงธรรม ประมวทรทะกุล วศ.8 ทปส-ร. กวสส-ร.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กฟผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้

ในเอกสารประกวดราคา เช่น อกรักษาเข้า เป็นต้น

นางสาวเบญญาลักษณ์ ศรีลัมภ์

หจตส-ท.

29 ส.ค. 2568

DETAILS OF THE MEDIUM COST FOR BID NO. SPSS-L-01

SCHEDULE 1: SUBMARINE CABLE SYSTEM 230 kV KHANOM – KO SAMUI CIRCUIT NO.1 (49.36 km)

Description	Total (THB)
1N: TEST OF EQUIPMENT	60,400,000.00
1S: TEST AFTER INSTALLATION FOR CIRCUIT NO.1	113,400,000.00
1U: SURVEY WORK FOR SUBMARINE CABLE SYSTEM	206,700,000.00
1V: SUPPLY AND CONSTRUCTION OF 230 kV UNDERGROUND CABLE SECTION, FROM KHANOM SUBSTATION (EXPANSION) TO KHANOM TRANSITION POINT P1 (BEACH MANGHOLE), CIRCUIT NO.1	270,600,000.00
1W: SUPPLY AND CONSTRUCTION OF 230 kV SUBMARINE CABLE SECTION, KHANOM TRANSITION POINT P1 (BEACH MANHOLE) – KO SAMUI TRANSITION POINT P2 (JOINT BAY), CIRCUIT NO.1	3,556,300,000.00
1X: SUPPLY AND CONSTRUCTION OF 230 kV UNDERGROUND CABLE SECTION, FROM KO SAMUI TRANSITION POINT P2 (JOINT BAY) TO KO SAMUI SUBSTATION (NEW), CIRCUIT NO.1	165,100,000.00
1Y: OTHER SUPPORTS FOR CIRCUIT NO.1	22,800,000.00
TOTAL PRICE FOR SCHEDULE 1	4,395,300,000.00

SCHEDULE 2: SUBMARINE CABLE SYSTEM 230 kV KHANOM – KO SAMUI CIRCUIT NO.2 (49.36 km)

Description	Total (THB)
2S: TEST AFTER INSTALLATION FOR CIRCUIT NO.2	123,100,000.00
2T: SUPPLY OF SPART PART (OPTIONAL)	173,300,000.00
2V: SUPPLY AND CONSTRUCTION OF 230 kV UNDERGROUND CABLE SECTION, FROM KHANOM SUBSTATION (EXPANSION) TO KHANOM TRANSITION POINT P1 (BEACH MANGHOLE), CIRCUIT NO.2	341,100,000.00
2W: SUPPLY AND CONSTRUCTION OF 230 kV SUBMARINE CABLE SECTION, KHANOM TRANSITION POINT P1 (BEACH MANHOLE) – KO SAMUI TRANSITION POINT P2 (JOINT BAY), CIRCUIT NO.2	3,295,400,000.00
2X: SUPPLY AND CONSTRUCTION OF 230 kV UNDERGROUND CABLE SECTION, FROM KO SAMUI TRANSITION POINT P2 (JOINT BAY) TO KO SAMUI SUBSTATION (NEW), CIRCUIT NO.2	150,800,000.00
2Y: OTHER SUPPORTS FOR CIRCUIT NO.2	49,000,000.00
TOTAL PRICE FOR SCHEDULE 2	4,132,700,000.00

TOTAL PRICE FOR ALL SCHEDULES	8,528,000,000.00
Adjusted Price (Import Duty & Tax + VAT)	596,960,000.00
TOTAL PRICE FOR ALL SCHEDULES (All Factors included + Import Duty & Tax + VAT)	9,124,960,000.00

MEDIUM COST OF BID NO. SPSS-L-01	9,125,000,000.00
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Anti-Corruption Compliance Checklist

Bidders shall provide written minimum standards of the policy and directions for anti-corruption in relation to procurement (“Minimum Standards”) together with supporting evidence pursuant to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017). This checklist shall be submitted with Bids.

Project: (Please specify the project for which you are bidding).....

State Agency: Electricity Generating Authority of Thailand

Bidder Name: (Please specify the bidder’s name).....

Please mark one of the following boxes that applies to the bidders* and complete all details in the space provided:

1. Have one of the following certificates:
- Certificate under ISO 37001 Anti-Bribery Management Systems, or
 - Certificate from the Thai Private Sector Collective Action against Corruption, or
 - Certificate as prescribed by the Anti-Corruption Co-operation Committee: *(Please specify the certificate name)*
- Validity period: *(Please specify the validity period of the chosen certificate)*.....

Please attach an evidence of the chosen certificate.

2. Do not have a certificate as specified in item 1, but have the Minimum Standards with one of the following validity:
- Perpetual Validity, or
 - Validity period: *(Please specify the validity period of the Minimum Standards)*.....

Details of the Minimum Standards and supporting evidence are as follows: (Please mark in the “Yes” or “No” column):

Item	Yes	No	Reference Evidence (Please specify Article)
1. Bidders have any clearly defined written anti-corruption policies that is regularly updated.			
2. Bidders have any clearly defined written guidelines, methods, or measures for preventing corruption in procurement that is regularly updated, including but not limited to:			
2.1 Code of Conduct			
2.2 Internal unit or personnel explicitly responsible for the prevention of corruption			
2.3 Penalties or regulations against corruption			
2.4 Channels or systems to report any suspicious or queries related to corruption			
2.5 Anti-corruption training plan			
3. Bidders have communicated and publicized the anti-corruption policies and guidelines relation to procurement as stated in items 1 and 2.			
4. Bidders have provided training on anti-corruption to directors, executives, or employees.			
5. The anti-corruption policies and guidelines are reviewed at least every three (3) years.			

We hereby certify that the information provided above and the supporting evidence are true and correct.

Signed

.....
(.....)

Name of Bidder

Stamp company seal (if any)

Date.....

* Notes:

1. The certificate or Minimum Standards shall remain valid and effective from the technical proposal opening date until the date of receipt of the final payment under the contract.
2. If the bidders do not have a certificate, the bidders shall fulfill all items stipulated in the above table to meet the Eligibility of Bidders’ criteria for participation in this procurement.
3. In case of Consortium of two (2) or more firms, partnership or companies, this checklist of each member shall be submitted separately.
4. In the case of an unincorporated Joint Venture, each participant shall submit this checklist separately.
5. This checklist is a translation from Thai based on the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017), dated September 25, 2024. In the event of any discrepancy, the Thai version in the notification shall prevail.

SECTION A
INVITATION TO BID

ELECTRICITY GENERATING AUTHORITY OF THAILAND

Nonthaburi
Thailand

INVITATION TO BID NO. SPSS-L-01
SUPPLY AND CONSTRUCTION OF
SUBMARINE CABLE SYSTEM 230 kV KHANOM - KO SAMUI
SUBMARINE CABLE SYSTEM DEVELOPMENT PROJECT TO SAMUI ISLAND
IN SURAT THANI PROVINCE FOR SYSTEM SECURITY ENHANCEMENT (SPSS)
(TWO-ENVELOPE)

A-1. Invitation

The Electricity Generating Authority of Thailand (EGAT) hereby invites sealed bids for Supply and Construction of Submarine Cable System 230 kV Khanom - Ko Samui under Submarine Cable System Development Project to Samui Island in Surat Thani Province for System Security Enhancement (SPSS) in accordance with the Terms and Conditions, Technical Specifications and Drawings described in these Bidding Documents.

A-2. Work Description

The scope of Work under this Invitation is design, supply, construction and installation of 230 kV submarine cable system with XLPE power submarine cable, XLPE power underground cable and all accessories located in the southern region of Thailand. This Invitation to Bid consists of two (2) Schedules as described below:

Schedule 1: Submarine Cable System 230 kV Khanom – Ko Samui Circuit No. 1

The marine and land survey and investigation under this Schedule is a full section of submarine and underground cables for double circuit installation prior to starting any cable design work in order to confirm design parameters. Type test on cable system shall be included to ensure compliance with technical specifications and operational standards.

The underground transmission line to be supplied and constructed under this Schedule is for Circuit No. 1 of 230 kV, 50 Hz, 3 phases, single circuit and three optical fiber cables extending from Khanom Substation (Expansion) to Khanom Transition Point P1 (Beach Manhole) to Khanom Beach Manhole, with a distance of approximately 0.99 kilometer.

It shall also be noted that the submarine transmission line to be supplied and constructed under this Schedule is for Circuit No. 1 of 230 kV, 50 Hz, 3 phases, integrated with three optical fiber cables in each circuit, single circuits extending from Khanom Transition Point P1 (Beach Manhole) to Ko Samui Transition Point P2 (Joint Bay), with a distance of approximately 48 kilometers. The burial depth shall be not less than 2 meters below the seabed.

The underground transmission line to be supplied and constructed under this Schedule is for Circuit No. 1 of 230 kV, 50 Hz, 3 phases, single circuit and three optical fiber cables extending from Ko Samui Transition Point P2 (Joint Bay) to Samui Substation (New), with a distance of approximately 0.37 kilometer.

After a completion of Circuit No. 1, as-built records and completion reports shall be submitted to EGAT. Capacity building for the Employer's personnel shall be provided to support the overall system. This includes training in the areas of survey, design, manufacturing, testing, installation, and operation and maintenance of SPSS for supporting works of Submarine Cable System of 230 kV Khanom – Ko Samui Circuit No.1.

Schedule 2 : Submarine Cable System 230 kV Khanom – Ko Samui Circuit No.2

The underground transmission line to be supplied and constructed under this Schedule is for Circuit No. 2 of 230 kV, 50 Hz, 3 phases, single circuit and three optical fiber cables extending from Khanom Substation (Expansion) to Khanom Transition Point P1 (Beach Manhole) to Khanom Beach Manhole, with a distance of approximately 0.99 kilometer.

It shall also be noted that the submarine transmission line to be supplied and constructed under this Schedule is for Circuit No. 2 of 230 kV, 50 Hz, 3 phases, integrated with three optical fiber cables in each circuit, single circuits extending from Khanom Transition Point P1 (Beach Manhole) to Ko Samui Transition Point P2 (Joint Bay), with a distance of approximately 48 kilometers. The burial depth shall be not less than 2 meters below the seabed.

The underground transmission line to be supplied and constructed under this Schedule is for Circuit No. 2 of 230 kV, 50 Hz, 3 phases, single circuit and three optical fiber cables extending from Ko Samui Transition Point P2 (Joint Bay) to Samui Substation (New), with a distance of approximately 0.37 kilometer.

After a completion of Circuit No. 2, as-built records and completion reports shall be submitted to EGAT. Capacity building for the Employer's personnel shall be provided to support the overall system. This includes training in the areas of survey, design, manufacturing, testing, installation, and operation and maintenance of SPSS for supporting works of Submarine Cable System of 230 kV Khanom – Ko Samui Circuit No.2.

In addition to the main transmission lines, the supply of spare 230 kV underground and submarine cables, along with the necessary cable accessories, should be carried out. The spare underground cables to be supplied is 230 kV, single-core cable, 3 drums with a distance of approximately 500 meters per drum. For the submarine section, 230 kV, three-core cable, with a distance of approximately 1 kilometer in length.

Turntable and underground storage construction beside the Khanom Transition Point P1 (Beach Manhole) should also be executed to store the submarine spare cables. All cable accessories are included and shall be stored in warehouse at Khanom Substation.

The Work to be performed for both Schedules shall be as follows:

1. Comprehensive detailed route survey and investigation for a full section of submarine and underground cables prior to starting any cable design work in order to confirm design parameters.

Through the detailed survey and investigation, the Contractor shall finalize the submarine and underground cable routes, length of cables to be manufactured, and the protection method subject to EGAT's approval.

2. Design, manufacture, supply, construction, installation, and testing of underground cable, cable joint and cable termination. The underground cable to be supplied shall be cross-linked polyethylene (XLPE) insulated power cable and shall be single-core type.
3. Design, manufacture, supply, construction, installation, and testing of submarine cable and transition joint. The submarine cable to be supplied shall be cross-linked polyethylene (XLPE) insulated power cable and shall consist of three-core cable, integrated with three optical fiber cables. Single-mode optical fiber shall be applied for cable monitoring purpose along submarine cable route length.
4. Design, manufacture, supply, construction, installation, and testing of optical fiber cable with or without armor protection and its closure. The supplied optical fiber cable shall be a single-mode with 48-core type. Single-mode optical fiber shall be applied for cable monitoring and communication purposes.
5. Design, manufacture, supply, construction, installation, and testing of cable monitoring systems including with Distributed Temperature Sensing (DTS), Distributed Acoustic Sensing (DAS), Real Time Thermal Rating (RTTR) and Automatic Identification System (AIS) with their accessories.
6. Design, manufacture, supply, construction, installation, and testing of 230 kV surge arresters at Khanom Substation (Expansion) and Ko Samui Substation (New).
7. Design, manufacture, supply, construction, installation, and testing of sheath earthing cable and accessories connection covering the transmission line route.

8. Design and construction of civil structures including reinforced concrete cable trench, HDPE pipes, reinforced concrete duct bank, offshore and land Horizontal Directional Drilling (HDD), cable termination, beach manholes, joint bays, underground storage with a turntable for spare submarine cable and other underground concrete structures.
9. Laying and installation of the XLPE power underground cable and optical fiber cable in the reinforced concrete cable trench, HDPE pipes, reinforced concrete duct bank, and land HDD.
10. Laying of the XLPE power submarine cable in burial under the seabed shall be at least 2 meters.
11. Design and construction of submarine cable protection.
12. Cable connection between XLPE power underground cables by land joints at joint bays in Khanom Side.
13. Cable connection between XLPE power submarine and underground cables by transition joints to Khanom Transition Point P1 (Beach Manhole) and Ko Samui Transition Point P2 (Joint Bay).
14. Cable connection between XLPE power underground cable and cable termination at both Khanom Substation (Expansion) and Ko Samui Substation (New), including installation of 230 kV surge arresters.
15. Installation of cable sheath grounding device at the cable termination end at Khanom Substation (Expansion) and Ko Samui Substation (New), including connection of grounding system at both ends with one (1) ground connecting cable per circuit.
16. Connection and testing of optical fiber cables into FTC of rack cabinet in control room at end at Khanom Substation (Expansion) and Ko Samui Substation (New) Substation. Installation of Equipment of DTS, DAS, RTTR and AIS systems for both circuits including the test system.
17. Supply of spare underground and submarine cables and their accessories.
The submarine cable storage with a turntable should be built beside the Khanom Beach Manhole.
18. Provide capacity building of the EGAT's personnel in survey, design, manufacturing, testing, installation, operation and maintenance of SPSS project.
19. The test after installation of the Equipment shall be carried out by the Contractor.
20. All documents for the design of any other necessary parts for completion of the Work, including the manufacture, supply, testing, construction, and installation of the various components of the submarine cable system shall be provided by the Contractor.
21. All complete documents and as-built drawing shall be provided by the Contractor.

22. The cooperation, assistance and information as may be deemed necessary to obtain the necessary permits expeditiously and cost-efficiently, insofar as such cooperation, assistance and/or information is reasonably related to the Work shall be provided by the Contractor.

The obtainment of other permits required to enable the Contractor to proceed with Work to satisfy this Contract, whether import, transport, logistics, operations, authorizations or licenses, onshore and offshore works permits, etc. shall be within the Contractor's responsibilities. The Contractor's scope of work shall include the obtainment of permits and interface with Local Authorities and other interested parties. The list of authorities to be contacted shall include, but is not limited to, the ones displayed below:

- Khanom Electricity Generating Company Limited
- PTT Khanom Gas Separation Plant
- PTT Offshore Pipeline Operations Department
- Department of Highways
- Marine Department
- Hydrographic Department
- Department of Fisheries
- Administration of Surat Thani and Nakhon Si Thammarat provinces including District, Subdistrict, Municipality Office and other local organization for construction purposes permits
- Temporary access road and area for construction purposes permits: realization of the access road and area according to the specific requirements of the Contractor's vehicles/equipment used
- Others (if relevant)

All the activities to be performed including payment to be made for permits, licenses and approvals shall be deemed to be included in the Contractor's cost.

23. The offshore survey work to identify the actual submarine cable location and their protection within the last year of Maintenance Guarantee Period (Following F-15. Final Inspection). If any location does not meet the technical requirement, the Contractor shall provide remedial work with suitable methods (such as post lay burial activities, mattress or bag installations, rock placement and etc.) shall be provided by the Contractor.

All services required to complete the Work are included but not limited to tasks necessary for the successful completion of the works.

As stated in the Work Description above, referred to B-20. Official Briefing and Site Visit, an official visit to the site will be organized after the issuance of the Bidding Documents. The Bidder shall be notified by EGAT confirming the date and place for the briefing session(s) and site visit.

A-3. Eligibility of Bidders: General Requirements

I. 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 well-established and maintain a permanent place of business.
- c. The Bidder shall not be, or supply the Equipment, from the country under the state of Civil War.
- 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. The Bidder shall not be a Jointly Interested Bidder with other Bidders as from the date of EGAT's issuance of the 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.
- f. The Bidder shall not either be EGAT's consultant or involving 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.
- g. 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.
- h. In case of being a joint venture or a consortium, the Bidder shall carry out all the Work under such formation from the time of bidding until the fulfillment of the Contract.
- i. 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 technical proposal opening time.

- j. The Bidder must have the net worth of the business as follows :
 1. In the case where the Bidder is a juristic person established under Thai law or foreign law and has been registered for more than one year, the Bidder must have a positive net worth, calculated as the difference between total assets and total liabilities, as shown in the audited financial statements for the latest year prior to the proposal submission date.

2. In the case where the Bidder is a juristic person established under Thai law or foreign law and has not yet reported any financial statements, the Bidder must have a paid-up registered capital of not less than THB 200 million as of the proposal submission date.
3. In the case that the Bidder fails to meet the requirements under Clause 1 or Clause 2, the Bidder shall be required to submit one of the following documents:
 - 3.1 A letter certifying the credit facility issued by a domestic bank, a finance company, or a finance and securities company authorized to operate finance business and guarantee business in accordance with the notifications of the Bank of Thailand, as listed in the circulated list of finance companies announced by the Bank of Thailand.

OR

- 3.2 A credit facility issued by a foreign bank, a finance company, or a finance and securities company authorized to operate finance business and guarantee business pursuant to the notifications of the central bank of the relevant country, as listed in the circulated list of finance companies announced by such central bank.

The total amount of the credit facility, certified by the head office or by a branch office (in the case where authorization has been delegated by the head office), must not be less than one-fourth ($\frac{1}{4}$) of the total project budget. The certification must be issued to the Bidder no more than ninety (90) days up to the proposal submission date.

4. In the case of a foreign company, the valuation shall be based on the exchange rate announced by the Bank of Thailand during the period from the date of announcement for the invitation to bid up to the proposal submission date.
5. In the case where the Bidder participates in the bidding as a Joint Venture or Consortium, each member of Joint Venture/the Consortium shall individually meet the conditions specified in Clause 1 or Clause 2.
6. In the case that any member of the Joint Venture fails to meet the requirements specified under Clause 1 or Clause 2, the provisions under Clause 3 shall be apply either in the name of the Joint Venture or solely by the non-compliant member, as deemed appropriate.
7. In the case that any member of the Consortium fails to meet the requirements specified under Clause 1 or Clause 2, the provisions under Clause 3 shall be apply in accordance with the proportion of participation as specified in the Consortium Agreement.

Failure to comply with the above requirements, EGAT may, at its discretion, ask the Bidder for clarification of his bid. Should the Bidder fail to submit the requested documents within the specified period, it shall be cause for rejection of Bid.

- k. Being a juristic person who signs Integrity Pact Agreement for Cooperation to Prevent and Abstain from Corruption on Procurement of Electricity Generating Authority of Thailand to be submitted on the technical proposal opening date.
- l. Bidders shall provide written minimum standards of the policy and directions for anti-corruption in relation to procurement together with supporting evidence pursuant to the Notification of the Anti-Corruption Co-operation Committee Concerning Minimum Standards of the Policy and Directions for Anti-Corruption in Relation to Procurement Required to be put in place by the Business Operator, in accordance with Section 19 of the Public Procurement and Supplies Administration Act, B.E. 2560 (A.D. 2017).

II. All Bidders should preferably meet the following requirements; failure to so comply may constitute sufficient ground for rejection.

- a. The Bidder shall supply documentary evidence established in accordance with Article B-8. Information to be Submitted with Bid to demonstrate adequately that he is eligible to bid and is qualified to perform the Contract if his bid is accepted. Bidder should also demonstrate his capacity to perform the Work either with or without the use of subcontractor.

A-4. Eligibility of Bidders: Technical Requirements

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

- a. Himself or either firm of the joint venture/consortium, having a record of experience in executing at least two (2) turnkey contracts as contractor (not as subcontractor) in overseas country (not his own country) or at least five (5) turnkey contracts as contractor (not as subcontractor) in his own country for supply and installation of power submarine cable system transmission line at a voltage level of 220 kV or above and at least five (5) years of successful operation record.

In addition, a minimum of one (1) turnkey contract from the mentioned two (2) or five (5) turnkey contracts above shall involve submarine cable laying distances of not less than 30 kilometers and include one (1) factory joint.

Further to item a. mentioned above, to meet the requirements of Thai regulations, himself or the joint venture/consortium shall also form an alliance as joint venture or consortium with local firm(s) having an experience in executing at least one (1) turnkey contract as contractor (not as subcontractor) with other Electricity Authorities of Thailand in supply and installation of power submarine cable system transmission line with at least five (5) years of successful operation record.

Experience record of the Bidder or either firm of the joint venture/consortium, including experience record derived from being a firm of other joint venture or consortium in previous project(s) is acceptable. It is not allowed to combine the experience records of each firm of the joint venture/consortium in order to meet the experience requirements.

- b. Himself or either firm of the joint venture/consortium or the combination thereof, having excellent reputation and adequate technical knowledge and record(s) of experience in design and installation of AC or DC power submarine cable and underground cable of all requirements as follows:
- For 230 kV submarine cable transmission line: by way of offshore laying and cable protection methods, including direct burial with trenching and backfilling, and other methods such as gravel and/or rock placement, grout bags, concrete mattresses, etc., or as specified in this Invitation. Himself or either firm of the joint venture/consortium or the combination thereof shall have an experience in either self-conducting or supervising cable installation into landfall areas at least three (3) turnkey contracts as contractor (not as subcontractor) at a voltage level of 220 kV or above, involving three-core 630 square millimeters or cable weight of not less than 70 kilograms per meter.
 - For 230 kV submarine cable transmission line: by way of offshore jointing operations (such as cable end recovery, joint deployment, and burial cable) at least one (1) turnkey contract as contractor (not as subcontractor).
 - For 230 kV underground cable transmission line: by way of trenching, or Horizontal Directional Drilling (HDD), or pipe jacking, or duct banks, or by other ways as specified in this Invitation, including installation of cable termination and cable joint (transition or splicing) as required under this Invitation at a voltage level of 220 kV or above and at least three (3) turnkey contracts as contractor (not as subcontractor).

With respect to item a. and b., experience record of the Bidder or either firm of the joint venture/consortium, including experience record derived from being a firm of other joint venture or consortium in previous project(s) is acceptable, provided that there is a letter from the project owner certifying that the Work as described in a. and b., above were performed by the Bidder or either firm of the joint venture/consortium of this project.

- c. Himself or either firm of the joint venture/consortium or his subcontractor or the combination thereof, having an experience in executing at least one (1) project in design and construction of AC or DC power submarine cable system with the cable laying vessel or barge capable of which the submarine cable weight being as required for the Work under this Invitation or carrying at least 5,000 tons of a single run of cable, equipped with a dynamic positioning system.

In addition to item a. to c., reference records of either the parent or affiliated companies of the Bidder or of either firm of the joint venture/consortium shall not be acceptable. 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.

- d. Proposing XLPE power submarine cable, cable termination and cable joint (transition or splicing) manufactured by regular manufacturers of excellent reputation having significant technical knowledge and at least ten (10) years experience in the design, manufacture and testing of such Equipment, having manufacturing capacity available to perform the Work properly and expeditiously within the time specified. For XLPE power underground cable, the proposed regular manufacturers shall have significant technical knowledge and at least fifteen (15) years experience in the design, manufacture and testing of such Equipment.

For XLPE power submarine cable system, the proposed manufacturer shall also have a record of successful operation for at least five (5) years for previously-supplied XLPE power submarine cable of the size specified in the Bidding Documents or equivalent or greater, in any offshore transmission line at a voltage level of 220 kV or above at least three (3) reference projects.

However, the Bidder may propose XLPE power submarine cable, cable termination, cable joint (transition or splicing), and XLPE power underground cable from the same manufacturer. Relevant prequalification, extended qualification reports following IEC 62067 standard shall be submitted. In case the Equipment is proposed from different manufacturers, these reports along with the past supply record from the proposed manufacturers are also required to be submitted for EGAT's consideration.

In the event that the Bidder proposes the Equipment of the manufacturer who, at the time of bidding, fails to meet with requirements of any contract(s) with EGAT regarding major defects or malfunctioning of such Equipment, and such failure has not yet satisfactorily been proved to and/or settled with EGAT, EGAT reserves the right to reject his Bid.

The eligibility will not be applicable for any Equipment which is not required under this Invitation.

II. All Bidders should preferably meet the following technical requirements; failure to so comply may constitute sufficient ground for rejection.

- a. Having sufficient capacity to carry out the Work.
- b. Proposing fiber optic based cable monitoring system, including Distributed Temperature Sensing (DTS), and Distributed Acoustic Sensor (DAS) System manufactured by regular manufacturers of excellent reputation, having significant technical knowledge and at least five (5) years experience in the design, manufacture and testing of such Equipment, having manufacturing capacity available to perform the Work properly and expeditiously within the time specified and monitoring DTS and DAS systems applicable to the high voltage cables covering both submarine and underground installations having continuous satisfactory service experience of at least one (1) year duration at least three (3) reference projects.

- c. Proposing any other Equipment and cable accessories except those specified in I.d and II.b manufactured by regular manufacturers of excellent reputation, having significant technical knowledge and at least three (3) years experience in the design, manufacture and testing of such Equipment, having manufacturing capacity available to perform the Work properly and expeditiously within the time specified.
- d. Proposing reputable subcontractors, for the portion of the Work to be subcontracted, having adequate technical knowledge, ability and capacity and practical experience to perform such Work. If any proposed subcontractor(s) is(are) not qualified in the opinion of EGAT, the Bidder is required to select other subcontractor(s) at his own cost to the satisfaction of EGAT.
- e. Proposing regular manufacturers having significant technical knowledge and experience in installation of factory joints for at least three (3) XLPE power submarine cable projects of 220 kV or above and proposing person(s) having significant technical knowledge and at least three (3) years experience in site installation of power cable joint (transition or splicing) and termination for at least three (3) XLPE power underground cable projects of 220 kV or above to perform the Work properly.

This eligibility will not be applicable for any Equipment or Work which is not required under this Invitation.

- f. Himself or either firm of the joint venture/consortium or his proposed local subcontractor having an experience in installation of 230 kV XLPE power underground cable and in executing at least one (1) turnkey contract as contractor (not as subcontractor) with EGAT or with other Electricity Authorities of Thailand in supply and installation of power underground cable transmission line at a voltage level of 230 kV or above.
- g. Himself or either firm of the joint venture/consortium or his proposed subcontractor or the combination thereof, having an experience in executing at least one (1) project in construction of pulling in operation into the landfill areas, having Offshore Horizontal Directional Drilling (HDD) with the High Density Polyethylene (HDPE) pipes or non-metallic materials of which the reaming diameter being as required for the Work under this Invitation or not less than 300 millimeters.

This eligibility will not be applicable if such Work is not required under this Invitation.

- h. Himself or either firm of the joint venture/consortium or his proposed subcontractor or the combination thereof, having an experience in executing at least one (1) project in construction for AC or DC power underground cable on land section with at least three (3) years of utilization record with other Electricity Authorities of Thailand or overseas or in his countries by the following methods:

1. For concrete trench or underground reinforced concrete structures including power cable manholes or joint bays incorporating piling works, having concrete volume of not less than one third concrete volume required for the Work under this Invitation or not less than 1,500 cubic meters
2. For Horizontal Directional Drilling (HDD) of which the reaming diameter being as required for the Work under this Invitation or not less than 300 millimeters
3. For pipe jacking or micro tunnel of which the inner diameter being as required for the Work under this Invitation or not less than 1,000 millimeters.
4. For duct bank or precast duct bank of which the outer diameter of pipe being as required for the Work under this Invitation or not less than 160 millimeters in which the length of at least one (1) section being not less than the maximum distance required for the Work under this Invitation or not less than 200 meters.

However, for item no. 1 to 4, it is not allowed to combine the experience record(s) to meet the requirements of each item of such Work.

This eligibility, item no. 1 to 4, will not be applicable for any Work which is not required under this Invitation

- i. Having no just or proper claims pending against him with respect to breach in the performance of Contract on other similar works awarded by EGAT. If 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.
- j. Himself or his subcontractors, at the time of submitting this proposal, not carrying excessive work or not being in a default position with respect to work with EGAT. Unsatisfactory past performance on contract awarded by EGAT may be a sufficient reason of being disqualified.

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

A-5. 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-6. 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 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 original hard copy and the electronic copy of the proposal shall be placed in two (2) separate sealed envelopes:

Envelope I which shall consist of the original hard copy of technical proposal, and a USB flash drive containing the electronic files of the original technical proposal in PDF and Excel format, as required by EGAT, and

Envelope II which shall consist of the original hard copy of price proposal, and a USB flash drive containing the electronic files of the price proposal in PDF and Excel format, as required by EGAT.

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

Envelope I

Technical proposal will be placed in separate sealed envelope marked in capital letters in the lower left-hand corner as follows:

INVITATION TO BID NO. SPSS-L-01
SUPPLY AND CONSTRUCTION OF
SUBMARINE CABLE SYSTEM 230 kV KHANOM - KO SAMUI
SUBMARINE CABLE SYSTEM DEVELOPMENT PROJECT TO SAMUI
ISLAND IN SURAT THANI PROVINCE FOR SYSTEM SECURITY
ENHANCEMENT (SPSS)
TECHNICAL PROPOSAL

The Envelope for the technical proposal shall contain the following :

- a. the completed Proposal Data Forms of the proposed proposal(s);
- b. reference documents pertaining to Bidder's qualification and experience under Article A-3. Eligibility of Bidders: General Requirements, A-4. Eligibility of Bidders: Technical Requirements, and Article B-8. Information to be submitted with Bid;
- c. delivery date guaranteed by Bidders;
- d. any minor deviations on Technical Specifications;
- e. any other technical information and drawings the Bidder deems to be adequate to explain his bid;
- f. Confirmation Form of not being a Jointly Interested Bidder with other Bidders and not being a person who undertakes any actions as an Obstruction of Fair Price Competition, not being EGAT's consultant, or not involve in EGAT's consultancy company under this bid, or not have EGAT's personnel involve in your business as shareholder having voting right that can control our business, director, manager, officer, employee, agent, or consultant except for the ones who are officially ordered by EGAT to act or participate therein, not being the persons who are privileged or protected not to be taken any legal proceeding under Thai Court, provided that our government declares that such special privilege is waived, and Registration/Non-registration with the Revenue Department as a VAT registrant.

If the Bidder has registered as a VAT registrant, he shall submit EGAT an evidence of VAT registration. On the contrary, if the Bidder is not registered as a VAT registrant, he shall inform EGAT whether he will register as a VAT registrant or not.

In case the Bidder is a consortium, each member of the consortium shall fill in the Confirmation Form provided for consortium Bidders.

- g. Filled-in Documentary List and documents required according to Additional Regulation.
- h. USB flash drive containing electronic files of the original technical proposal in the following formats :-
 - PDF files of all pages of each volume of the technical proposal, and
 - Excel files of filled-in Proposal Data.

Strictly no prices or reference to price shall be made in the documentation contained in this Envelope. Violation of this requirement will be reason for rejection of the bid.

Envelope II

Price proposal will be placed in separate sealed envelope marked in capital letters in the lower left-hand corner as follows:

INVITATION TO BID NO. SPSS-L-01
SUPPLY AND CONSTRUCTION OF
SUBMARINE CABLE SYSTEM 230 kV KHANOM - KO SAMUI
SUBMARINE CABLE SYSTEM DEVELOPMENT PROJECT TO SAMUI
ISLAND IN SURAT THANI PROVINCE FOR SYSTEM SECURITY
ENHANCEMENT (SPSS)
PRICE PROPOSAL

The Envelope II for the price proposal shall contain the following :

- a. price schedules according to Section C;
- b. Discount Form
- c. USB flash drive containing electronic files of the price proposal in the following formats :-
 - PDF files of all pages of each volume of the price proposal, and
 - Excel files of filled-in Price Schedule

The technical proposal and the price proposal 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.

Technical proposals 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.

The technical proposals will be reviewed to determine their responsiveness to the Specifications and requirements.

The price proposals of the responsive technical proposals will be opened publicly at the place and time which will be specified at a later date.

A-7. 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 links provided by EGAT upon payment to EGAT, non-refundable, in the amount of USD 1,000.- or Baht 30,000.- prices include the value added tax.

Note : At the time of bidding, EGAT's Specifications and all Drawings need not be submitted, although they are considered as part of the Bidding Documents.