

ELECTRICITY GENERATING AUTHORITY OF THAILAND

SUPPLEMENTAL NOTICE NO. 4

INVITATION TO BID NO. LNKP-L-05

SUPPLY AND CONSTRUCTION OF TRANSMISSION LINE 230 kV
KHON KAEN 4 JUNCTION – KHON KAEN 3

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF
LOEI NONGBUA LAMPHU AND KHON KAEN PROVINCES
FOR POWER PURCHASE FROM LAO PDR PROJECT

The attached Supplemental Notice shall be considered as part of the bidding documents No. LNKP-L-05.

As acknowledgement of receipt that all additions, deletions and revisions contained in this Supplemental Notice are incorporated into the above bidding documents, Bidder is requested to sign and return this acknowledgement via email address : procurement.tse@egat.co.th within three (3) days from the date of the announcement of this Supplemental Notice on <http://www4.egat.co.th/fprocurement/biddingeng/>.

The original acknowledgement which is manually signed in ink by a person or persons duly authorized shall be included in the proposal to be submitted on the bid opening date.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

June 11, 2019

ACKNOWLEDGEMENT

This undersigned Bidder hereby certifies that the additions, deletions and revisions set forth in this Supplemental Notice to Invitation to Bid No. LNKP-L-05 are incorporated as part of the above bidding documents and will be fully included in any bid which he may submit.

Signed	_____
Title	_____
Company	_____
Date	_____

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SUPPLEMENTAL NOTICE NO. 4

INVITATION TO BID NO. LNKP-L-05

SUPPLY AND CONSTRUCTION OF TRANSMISSION LINE
230 kV KHON KAEN 4 JUNCTION - KHON KAEN 3TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA
OF LOEI NONGBUA LAMPHU AND KHON KAEN PROVINCES
FOR POWER PURCHASE FROM LAO PDR PROJECT

The following supplemental information is hereby given for the above described Invitation:

Volume I of IV

1. Section A : Invitation to Bid

Postpone the bid opening date to be **July 8, 2019.**

2. Section C : Proposal

2.1. Revise Summary of Bid Price, Total Price for Schedule No.1 and Price Schedule No. 1J, 1L, 1Z with the revised excel files of Price Schedule attached.

2.2. Add the attached Proposal Data Page Part 2-C8.1(Add) after page Part 2-C8.

3. Section H : Attachments

Replace Attachment No.2: List of Equipment to be Dismantled by the Contractor with the revised one with (Rev.1) attached.

Bid submitted must be in accordance with this Notice. Receipt of this Notice shall be acknowledged by the Bidder on the proposal included in the Bidding Documents in the space provided on page C4, Article C-4 Supplemental Notices.

ELECTRICITY GENERATING
AUTHORITY OF THAILAND

.....June 11, 2019.....

PLEASE FILL OUT AND RETURN WITH YOUR PROPOSAL

LINE : 230 kV Khon Kaen 4 Junction - Khon Kaen 3
Temporary Detour Line

HORIZONTAL VEE INSULATOR PROPOSAL DATA		Bidder	
		Item No.	
Make and country of origin			
Ref. Drawing No. and/or Catalog No.			
Weathershed outside diameter and tolerance mm			
No. of weathersheds			
Weathershed spacing mm			
Section length and tolerance mm			
Leakage distance mm			
Dry arcing distance mm			
Maximum design cantilever load min.kg			
Cantilever proof load min.kg			
Specified mechanical load/Tensile strength min.kg			
Routine test load min.kg			
Core diameter mm			
Bonding method			
Method of attachment of end fittings			
Low-frequency flashover voltage	Dry kV		
	Wet kV		
Critical impulse voltage	Positive kV		
	Negative kV		
Low-frequency test voltage, rms to ground kV			
Maximum RIV at 1,000 kHz μ V			
Unit weight of insulator kg			
Material	Core		
	Weathersheds		
	End fitting		
	Etc.		
Galvanizing weight of coating			
Standard testing specification			

ATTACHMENT NO. 2 (Rev. 1)

LIST OF EQUIPMENT TO BE DISMANTLED BY THE CONTRACTOR

The following are the Equipment to be dismantled under this Contract. Types and quantities shown are approximate and provided as primary information. The Bidder shall be deemed to have carefully examined the exact quantities for his quotation of dismantling services and prices offered for purchasing the said Equipment.

<u>Item</u>	<u>Description</u>	<u>Estimated Quantity</u>
Part 1 :	<u>230 kV Khon Kaen 4 Junction – Khon Kaen 3 Transmission Line</u> (The dismantled Equipment as listed below shall be purchased by the Contractor)	
1.1	Steel Tower	
	Tower type DA1 with Leg extension -2.0 m	1 tower
	Tower type DA1 with Leg extension -1.0 m	1 tower
	Tower type DA1 with Leg extension 0.0 m	30 towers
	Tower type DA1 with Leg extension +1.0 m	4 towers
	Tower type DA1 with Leg extension +2.0 m	3 towers
	Tower type DA1 with Leg extension +3.0 m	4 towers
	Tower type DA1 with Leg extension +6.0 m	2 towers
	Tower type DB2 with Leg extension 0.0 m	2 towers
	Tower type DC2 with Leg extension -3.0 m	1 tower
	Tower type DC2 with Leg extension -1.0 m	1 tower
	Tower type DDE with Leg extension +3.0 m	1 tower
1.2	Hardware Assemblies	
	Single string suspension insulator assemblies	240 sets
	Double string suspension insulator assemblies	30 sets
	Double string tension insulator assemblies	72 sets
	Overhead ground wire suspension assemblies	45 sets
	Overhead ground wire tension assemblies	10 sets
	OPGW suspension assemblies	45 sets
	OPGW tension assemblies	10 sets
1.3	Line Accessories	
	Vibration damper for conductor	1,188 sets
	Vibration damper for overhead ground wire	216 sets
1.4	Insulator	
	Insulator ANSI CLASS 52-3 (18,000 lbs)	6,000 discs
1.5	1272 MCM ACSR/GA Conductor	117.54 km
1.6	3/8 " high strength galvanized steel overhead ground wire	19.3 km
1.7	Composite overhead ground wire with 36-core optical fiber	19.3 km

<u>Item</u>	<u>Description</u>	<u>Estimated Quantity</u>
Part 2 :	<u>230 kV Khon Kaen 4 Junction – Khon Kaen 3 Temporary Detour Line</u> (The dismantled Equipment as listed below shall be purchased by the Contractor)	
2.1	Concrete Structure	
	Tower Type TDA – 230 kV	386 towers
	Pole extension	386 towers
	Tower Type TSD – 230 kV	10 towers
	Pole extension	10 towers
2.2	Steel Tower	
	Tower type WDA ; 14.00 M	10 towers
	Tower type WDA ; 16.00 M	10 towers
	Tower type WDA ; 18.00 M	6 towers
	Tower type WDA ; 20.00 M	10 towers
	Tower type WDA ; 22.00 M	4 towers
	Tower type WSDE ; 14.00 M	2 towers
	Tower type WSDE ; 16.00 M	2 towers
2.3	Hardware Assemblies	
	Hardware for composite line post insulator	2,316 sets
	Hardware for bypass composite line post insulator	54 sets
	OPGW suspension assemblies	426 sets
	OPGW tension assemblies	27 sets
	<i>OHGW suspension assemblies</i>	40 sets
	<i>OHGW tension assemblies</i>	27 sets
	<i>Horizontal vee insulator string assemblies</i>	240 sets
	<i>Single string tension insulator assemblies</i>	84 sets
2.4	Insulator	
	Composite line post insulator	2,610 discs
	Composite suspension insulator	324 discs
2.5	1272 MCM ACSR/GA (HAWK) Conductor	118.15 km
2.6	Composite overhead ground wire with 36-core optical fiber	19.4 km