

ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและราคากลาง(ราคาอ้างอิง)
ในการจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง

1. ชื่อโครงการ Enquiry No. NPUP-GIS-02

การจัดซื้อ 500 kV Gas Insulated Switchgear

โครงการพัฒนาระบบส่งไฟฟ้าบริเวณจังหวัด น่าน แพร่ และ อุตรดิตถ์ เพื่อรับซื้อไฟฟ้าจาก

โครงการใน สปป. ลาว

/หน่วยงานเจ้าของโครงการ ฝ่ายแผนงานและโครงการระบบส่ง การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

2. วงเงินงบประมาณที่ได้รับจัดสรร

โครงการพัฒนาระบบส่งไฟฟ้าบริเวณจังหวัด น่าน แพร่ และ อุตรดิตถ์ เพื่อรับซื้อไฟฟ้าจาก

โครงการใน สปป. ลาว งบประมาณ 26,220 ล้านบาท

3. วันที่กำหนดราคากลาง 7 กุมภาพันธ์ 2569 (วันที่ ชรว. อนุมัติ)

ราคารวมภาษีมูลค่าเพิ่มและค่าใช้จ่ายอื่นๆ เป็นเงิน 581,000,000.00 บาท ราคา/หน่วย ตามเอกสารแนบ

4. แหล่งที่มาของราคากลาง

หลักเกณฑ์การกำหนดราคากลางการจัดซื้อและจัดจ้างงานก่อสร้างระบบส่งไฟฟ้าของสายงานพัฒนาระบบส่ง

5. รายชื่อเจ้าหน้าที่ผู้กำหนดราคากลาง

5.1 นายภูภัทร พานทอง หสก-ร. กวอ-ร.

5.2 นายชิตพล จินต์อัจฉริยกุล หวอ-ร. กวอ-ร.

หมายเหตุ ค่าใช้จ่ายอื่นๆ ได้แก่ ค่าใช้จ่ายที่ กพผ. ต้องจ่ายตามวิธีการพิจารณาเปรียบเทียบราคาที่กำหนดไว้ในเอกสารประกวดราคา เช่น อากรขาเข้า เป็นต้น

MEDIUM COST FOR ENQUIRY NO. NPUP-GIS-02

SUMMARY OF BID PRICE

SUPPLY OF 500 KV GAS INSULATED SWITCHGEAR

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS


No.	Description	Currency	Supply of Equipment	Supply of Equipment	Foreign Currency	Local Currency
			Foreign Supply	Local Supply		
			CFR Thai Port	Ex-works Price (excluding VAT) Baht		
			Amount	Amount		
1	Schedule 1 : SF6 GAS INSULATED SWITCHGEAR	THB	510,307,823.66		15,841,518.00	
BID PRICE		THB	510,307,823.66	Baht	15,841,518.00	Baht
IMPORT DUTY		THB	13,666,360.16	Baht		
CUSTOM CLEARANCE (0.6%)		THB	3,061,846.94	Baht		
VAT		THB	36,678,192.87	Baht	1,108,906.26	
SUMMARY OF BID PRICE		THB	563,714,223.63	Baht	16,950,424.26	Baht
TOTAL MEDIUM COST		THB	580,664,647.89			
TOTAL MEDIUM COST (ROUNDED)		THB	581,000,000.00			

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 07 Feb 2026

MEDIUM COST FOR ENQUIRY NO. NPUP-GIS-02
Schedule 1 : SF6 GAS INSULATED SWITCHGEAR
SUPPLY OF 500 KV GAS INSULATED SWITCHGEAR

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS


Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Supply of Equipment		Foreign Currency		Local Currency	
					Foreign Supply		Local Supply		Unit Price	Amount	Unit Price	Amount
					CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1-1	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) and Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04 (LINE NO.1 TO DENCHAI)	1		THB	93,972,416.00	93,972,416.00			XXXXX	XXXXXX	XXXXX	XXXXXX
1-2	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) and Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04 (LINE NO.2 TO DENCHAI)	1		THB	93,972,416.00	93,972,416.00			XXXXX	XXXXXX	XXXXX	XXXXXX
1-3	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) and Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04 (LINE NO.1 TO HONGSA)	1		THB	93,972,416.00	93,972,416.00			XXXXX	XXXXXX	XXXXX	XXXXXX
1-4	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) and Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04 (LINE NO.2 TO HONGSA)	1		THB	93,972,416.00	93,972,416.00			XXXXX	XXXXXX	XXXXX	XXXXXX


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MEDIUM COST FOR ENQUIRY NO. NPUP-GIS-02
Schedule 1 : SF6 GAS INSULATED SWITCHGEAR
SUPPLY OF 500 KV GAS INSULATED SWITCHGEAR


TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Supply of Equipment		Foreign Currency		Local Currency	
					Foreign Supply		Local Supply		Unit Price	Amount	Unit Price	Amount
					CFR Thai Port		Ex-works Price (excluding VAT) Baht					
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1-5	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) and Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04 (Metal Enclosed Bus)	1	lot	THB	included	included			XXXXX	XXXXX	XXXXX	XXXXX
1-6	550 kV 4000 A 50 kA Gas Insulated Switchgear as per Ratings and Features RF IS9450(IEC) outdoor type (GIB) as per Drawing No. NA-S-1-01/04, NA-S-1-02/04, NA-S-2-01/01, NA-S-3-01/03, NA-S-4-01/01, NA-S-7-01/04 and NA-S-7-02/04	1	lot	THB	93,898,671.01	93,898,671.01			XXXXX	XXXXX	XXXXX	XXXXX
1-7	Local control cubicle for IS9450(IEC) for item 1-1 thru 1-6 (including interlocks requirement with existing bays and existing LCC Modification (if any))*	4		THB	5,103,208.86	20,412,835.44			XXXXX	XXXXX	XXXXX	XXXXX
1-8	Steel Supporting Structure for IS9450(IEC)*	1	lot	THB	17,861,211.23	17,861,211.23			XXXXX	XXXXX	XXXXX	XXXXX
1-9	Removable service platform and removable ladder for GIS inspection (including existing GIS platform/ladder Modification (if any))*	1	lot	THB	2,245,441.98	2,245,441.98			XXXXX	XXXXX	XXXXX	XXXXX
1-10	Accessories and special tools necessary (if any give details)*	1	lot	THB	included	included			XXXXX	XXXXX	XXXXX	XXXXX


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MEDIUM COST FOR ENQUIRY NO. NPUP-GIS-02
Schedule 1 : SF6 GAS INSULATED SWITCHGEAR
SUPPLY OF 500 KV GAS INSULATED SWITCHGEAR

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Supply of Equipment		Supply of Equipment		Foreign Currency		Local Currency	
					Foreign Supply		Local Supply		Ex-works Price (excluding VAT) Baht		(excluding VAT) Baht	
					CFR Thai Port							
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1-11	Cost of Installation Supervisor for Item no. 1-1 to 1-10	255.00	man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	52,805.06	13,465,290.30		
1-12	Cost of Field test Supervisor as per IEC 62271-203	45.00	man day	THB	XXXXXX	XXXXXX	XXXXXX	XXXXXX	52,805.06	2,376,227.70		
1-13	Cost of Field test	1	lot	CHF	XXXXXX	XXXXXX	XXXXXX	XXXXXX	included	included		
	Note : The SF6 gas in a quantity equivalent to 115% of the total equipment actual requirement shall be provided as follows: - 100% of SF6 gas quantity shall be shipped in returnable steel bottles which shall be returned back to Contractor. - 15% of SF6 gas quantity shall be shipped in non-returnable steel bottles which shall become the property of EGAT.											
				THB	510,307,823.66		Baht		15,841,518.00		Baht	
				Total Price for Schedule 1			 นายสมชัย เจริญศรีเกษม ผู้อำนวยการฝ่ายวิศวกรรมระบบส่ง 07 Feb 2026					

* The design of these equipment/devices shall be verified by Gas Insulated Switchgear manufacturer.

MEDIUM COST FOR ENQUIRY NO. NPUP-GIS-02

Service of Installation Supervisor (Schedule 1)

SUPPLY OF 500 KV GAS INSULATED SWITCHGEAR

TRANSMISSION SYSTEM DEVELOPMENT IN THE AREA OF NAN PHRAE AND UTTARADIT PROVINCES FOR POWER PURCHASE FROM LAO PDR PROJECTS

Item No.	Description	Qty.	Unit	Currency	Foreign Currency		Local Currency (excluding VAT) Baht	
					Unit Price	Amount	Unit Price	Amount
1-11	Cost of Installation Supervisor for Item no. 1-1 to 1-10	255.00	man day	THB	52,805.06	13,465,290.30		
1-12	Cost of Field test supervisor as per IEC 62271-203	45.00	man day	THB	52,805.06	2,376,227.70		

Note:

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


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Cost of Field Test (Schedule No. 1)

Description	Cost of Field Test Supervisor	Cost of Field Test (Item 1-13)
		Currency : CHF
Field test cost as per IEC 62271-203		
a) General construction check	Included	N/A
b) Inspection of all pressure switch operation	Included	N/A
c) Mechanical operation of the CB, DS and GS	Included	N/A
d) Operation of all valves	Included	N/A
e) Check of correct gas pressure in all sections	Included	N/A
f) Air or hydraulic pressure check before and after specified co-operation of circuit breakers	Included	N/A
g) Check for gas leakage in all sections and fluid leakages in all mechanisms	Included	N/A
h) Insulating gas characteristics test	Included	N/A
i) Measurement of Characteristic time quantities (timing) and Record of Mechanical travel characteristics (Motion) of Circuit Breakers : Test result and record shall confirm satisfactory performance by comparison with the reference obtained during the routine test at manufacturer factory as well as Manufacturer criteria	Included	N/A
j) Insulation resistance tests	Included	N/A
k) Dielectric test on main circuit		
- Power-frequency voltage test	Included	included
- Partial Discharge tests completed with Sensitivity verification check	Included	included
l) Voltage tests of auxiliary and control circuits	Included	N/A
m) Main circuit resistance measurement	Included	N/A
n) Test all instrument transformers	Included	N/A
o) Check all porcelain	Included	N/A
p) Operational tests of all components, control, alarm and protection circuits	Included	N/A
q) Moisture content of SF6 gas in all sections	Included	N/A

- Note: 1. The on site testing and check, unless otherwise agreed upon, shall be performed in accordance with the IEC standards.
 2. The quoted cost of field test shall include field test expenditure, transportation of test equipment (import and export by contractor) and other expenses relating to such field test.
 3. The test reports shall be submitted within two weeks after the completion of test.



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