

To Whom It May Concern	Location, Country	People's Republic of China
	Company Name	Siemens High Voltage Switchgear Co., Ltd Shanghai Org ID
	Telephone	+86(0)21 2408 5621
	Offer PM	yan.hao@siemens-energy.com
	Our Org ID.	A1203002
	Our reference	705392
	Date	2023-06-12 Rev C

Subject: Binding Offer for Egypt Maspero 72.5kV GIS

Dear Sir:

According to your inquiry, enclosed please find our binding offer in respect of the name of the SF6-insulated metal-enclosed switchgear type Siemens Energy 8DN8 for the above-mentioned project.

In the case of previous revisions, they become herewith void.

1. The offer comprises delivery of the following scope of supply:

Supply of

One set 72.5kV GIS, 10 bay (8 CB bay), type 8DN8, Indoor, 72.5kV, 2500A, 40kA/1s, 50Hz, Colour RAL 1013, seaworthy packed (A12 sealed packing), FCA Shanghai in accordance with the IEC standards and the offer documents as per the following drawings:

Single line diagram	705329 SD_0_3
Plan View	705329 PV_0_3
Section View	705329 SE_0_3

The supply scope of GIS equipments including:

The primary side: The boundary is Cable connection housing and HV bushing

The second side: The boundary is Secondary terminals in drive mechanism boxes

2. The offer comprises the following services:

- Engineering and design in SIEMENS ENERGY SHANGHAI FACTORY in the Siemens Energy standard form for the GIS
- Constructional/load data of GIS fixing points for the civil contractor (no structural drawings)
- Factory assembly and routine tests acc. to IEC
- Internal steel structure for GIS module (The steel structure of GIS is delivered from China and the local Chinese standard GB is referenced. The main material of steel structure is usually Q235 and Q355 will be also used for some parts.)
- SF6 Gas first filling in GIS
- View windows for DS, ES, FES
- Inductive type VT without isolating link (Brand Nissin China or equivalent China local brand) and inductive type CT (Brand Zhida or Fine)
- GIS Surge arrester (Brand Siemens Energy China) for feeder bay
- SF6/air bushing, porcelain, brand Xici
- PD sensor on GIS bay
- Bonding connection between single phase for GIS bay
- FAT on GIS (Customer selects one bay to perform both HV and mechanical tests, excludes VT, SA, bushings, which will be installed on site) (the cost for customer round trip air ticket, accommodation, insurance and personal allowance are excluded. SHVS will provide necessary support on inland transportation and work meal during FAT)

3. The offer does not include:

- Translations of correspondence or documents other than English language
 - Insulation coordination analysis / study of over-voltage in the power grid or generated by switching
 - Any civil work drawings / civil work calculations / Embedded flat steel parts or plates / embedded expansion anchor bolts
 - Analysis of traveling waves / lightning protection calculation / earthing calculation / anchoring calculation
 - Definition and calculation of CT / VT parameter
 - Any other tests on site after GIS-commissioning is finished (such as trial run or on-load tests)
 - HV test engineer, supervision and local manpower/labor for erection and commissioning
 - Costs for client's personnel participation on factory acceptance tests in SHVS
 - Any taxes, customs duties, fees or levies payable outside mainland of the PRC
 - Costs for insurances of any kind (neither for erection and commissioning nor for maintenance or repair activities prior final taking over)
 - Training at Siemens Energy Shanghai factory or by liaison meeting
 - FAT on LCC whatever in SHVS or sub-supplier
 - FAT on GIS more than one bay.
 - Conventional type Local Control Cubicle (LCC), stand alone on ground, size 900x800x2300mm(WxDxH)
 - Conventional control cable (type KVVPR, Non-Halogen Free, PVC, Not preassembled) between GIS and LCC
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- Grounding Grid / Earthing system / Air conditioning equipment / lighting / crane
 - Protection, AC/DC-supplies, measuring, alarm systems and other control equipment
 - Test equipment (incl. HV test transformer, PDM, Dilo Chart, test adapter and test air bushing) as well as costs for their local transport
 - Providing mobile cranes and other lifting facilities for GIS erection period
 - Providing usual site facilities as site office, material container, temporary site power, site security etc.
 - Additional measuring instruments and test equipment especially used during commissioning/testing
 - SF₆ gas supplying and filling device, vacuum pumps, gas charging unit, pressure reducing unit, adapter, gas storage cylinders etc.
 - SF₆ gas evacuating, treatment and handling device including storage tank, adapter etc.
 - Providing measuring devices for SF₆ moisture, decomposition products or volume percentage etc.
 - High-voltage cables and sockets, cable sealing ends and connection work
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- Chemical cleaning material for site installation (alcohol, grease, oil, etc.)
 - Camera set for view windows
 - Portable or online PD measurement device
 - SF₆ gas online monitoring system
 - Wall sealing cover for GIS busduct (Ditec)
 - Earthing material from GIS to earthing point (copper bar or copper cable)
 - Adapter and SF₆ air bushing for Site HV test
 - Junction box for CT & VT

4. Offer Price and Incoterm (FCA Shanghai)

Item	Description	Qty	Total
1	One set 72.5kV SF6 switchgear type 8DN8 GIS for Egypt Maspero , 8 CB bay, no LCC, seaworthy packed (A12 sealed packing), FCA Shanghai acc. to Incoterms 2020.	1	USD 1,276,845.00
2	Spare parts in Annex I	1	Included
3	Set of owners recommended spare parts, detail refer to quotation sheet Annex II	1	USD 222,680.00
Optional	CIF Alexandria Port, price valid till 31 st of March 2023.	1	USD 99,125.00
Optional	Training at SHVS factory in Annex III	1	USD 20,000.00
Total	Offer price (without VAT)		USD 1,499,525.00

Notes:

- 1) The above total price is net price based on our attached drawings.
- 2) Our price does not include any inclusions/ surcharges, e.g., bank charges for the provision of bonds or letter of credit, commission, and insurance.
- 3) The price for bus duct connection of OHL feeders or Transformer feeder is based on the length and configuration shown within the offer drawings. Any change in length and configuration of busduct will have time and cost impact.
- 4) The price is only valid if the whole scope of supply as described (except optional items – if any) will be ordered. In case of a variation of the quoted scope of supply or of the conditions Supplier reserves the right to adjust the prices depending on the impact of that variation. In case of a necessary extension of time for reasons beyond Supplier's control, a price adjustment shall be permitted.

5. Delivery period

The delivery period FCA Shanghai for the project approx. 6 months counted for each substation separately from the date of design freeze (base design approval of SLD, PV, SE, CT/VT data). Partial delivery shall be allowed.

Design freeze is required to be guaranteed within 4 weeks after submission of respective base design drawings. Design Review meeting shall be performed latest 2 weeks after PO and latest 2 weeks before Design Freeze date. If the purchaser, the purchaser's contractors, or any other third party appointed by the purchaser causes delay in the design freeze and manufacturing clearance the purchase shall reimburse SHVS all reasonable additional costs and expenses incurred due to such delay.

The Parties acknowledge the worldwide outbreak of the coronavirus disease, which is likely to affect the execution of the contract. The Parties agree that Siemens Energy shall be entitled to reasonable adjustments of the time schedule/milestones/delivery dates as well as to reimbursement of costs to the extent the delay and costs are caused directly or indirectly by the outbreak of the coronavirus disease or other epidemic (COVID-19 etc.). SHVS reserves the right to partial delivery/performance of service.

6. Payment

Payment will be charged via ICC: 100% of contract value according to agreed Incoterms.

7. Warranty Period

The Warranty Period shall be **24** months after EXW-date of SHVS.

It is mandatory that Siemens Energy certified employees conducting supervision of I&C has to be guaranteed in all circumstance. In case the ordering supervision of I&C is not from Siemens Energy and as a result this service is not conducted by Siemens Energy certified employees, Siemens Energy will have no warranty obligation thereafter.

The standard Siemens Energy Commissioning Tests (according with the table 1 of the document Work Instruction HP-WI-1821, attached to this offer letter) must be done and the reports must be filled out during the assembly and commissioning at site. In case the procedure is not done according with the test reports, Siemens Energy will have no warranty obligation thereafter.

8. Tax

Taxes, customs duties, and fees levied by tax authorities outside of mainland People's Republic of China on SHVS in connection with the execution of the contract are not included in the offer price and shall be borne and paid by the buyer.

9. Validity of Offer

This offer proposal is valid until **September 12, 2023**. After this date the validity of this Offer is subject to Contractor's written confirmation.

10. Terms and Conditions of Contract

Unless otherwise stated in this contract agreement the "Terms and Conditions for Deliveries and Services for Siemens Energy-internal Transactions (Siemens Energy Conditions)" Latest version in this Fiscal year shall apply. The lump-sum Seller's liability is up to maximum of 100% of order value.

Unless otherwise stated in this contract agreement the " Terms and Conditions for Deliveries and Services for Siemens-internal Transactions (Replacement Conditions)" Latest version in this Fiscal year shall apply. The lump-sum Seller's liability is up to maximum of 100% of order value.

11. Shipment and Storage

To prevent entering of moisture and humidity into the sealed switchgear packages and to avoid corrosion on the GIS equipment, the rules for transportation, inspection and storage of the crates and goods have to be strictly followed by all parties according to the Siemens Energy operation manual chapter 3.3 and 3.4 as per Annex.

12. Change of Production Site

SHVS reserves the right to procure the scope of this offer in full or in part from any of its affiliates or sub suppliers at their respective places of manufacturing."

13. Export Reservation

SHVS shall not be obligated to fulfil this Contract if such fulfilment is prevented by any impediments arising out of national or international foreign trade and customs requirements or any embargoes or other sanctions.



If and to the extent the sale or supply of products and services is subject to prior authorization by the competent export control authorities of the European Union, this agreement shall come into force only upon granting of such authorization.

Signature Page:

We trust that this Offer will meet your requirements.

Sincerely yours,

Siemens High Voltage Switchgear Co., Ltd. Shanghai

This offer was Accepted On		Siemens High Voltage Switchgear Co., Ltd. Shanghai	
Date of signature: NAME	Date of Signature: NAME	Date of signature: Export Offer PM	Date of signature: Export Manager

Annex I

Spare parts and special tools

The spare parts recommended for **one substation 72.5kV GIS**:

No.	Name	Type	Brand	Quantity	Unit Price*
1	CB tripping coils	8DN8	Siemens Energy	2 Unit	included
2	CB closing coils	8DN8	Siemens Energy	1 Unit	included
3	CB Operating Cranks	8DN8	Siemens Energy	1 Set	included
4	DS Operating Cranks	8DN8	Siemens Energy	1 Set	included
5	ES Operating Cranks	8DN8	Siemens Energy	1 Set	included

Total Price of Spare Parts and special tools:

* The price of spare parts as listed are included in GIS price main offer above.

Annex II

Owner recommended spares parts

<u>Item</u>	<u>Description</u>	<u>Qty</u>
1.	<u>66 kV Switchgear (GIS)</u>	
1.1	Three phase Circuit Breaker	
1.1.1	Complete three phase circuit breaker 2500A with control mechanism.	1
1.1.2	Complete three phase circuit breaker 1600A with control mechanism.	1
1.1.3	Complete set of tripping and closing coils for one CB.	1
1.1.4	Three phase circuit breaker complete in enclosure with mechanism.	1
1.2	<u>66kV Disconnecter</u>	
1.2.1	Complete three phase busbar disconnecter complete with rated current 2500A with mechanism.	2
1.2.2	Complete three phase disconnecter complete with rated current 2500A for bus coupler with mechanism.	1
1.2.3	Complete three phase line disconnecter complete with rated current 1600A for feeder with mechanism.	1
1.2.4	Complete three-phase earthing switch complete with mechanism.	2
1.2.5	Complete three phase high speed earthing switch complete with making current 80kA with mechanism in enclosure.	2
1.3	Three phase current transformer (One of each ratio) with enclosure.	
1.3.1	Three-phase inductive potential transformer 66/√3:0.1/√30.1/√3kV with enclosure	1
1.3.2	Single-pole SF6 inductive type voltage transformer	NA
1.3.3	Three-phase current transformer with enclosure 800-1600/1/1/1/1 A for "Feeder".	2
1.3.4	Three-phase current transformer with enclosure 400-800/1/1/1/1 A for "Transformer".	2
1.3.5	Three-phase current transformer with enclosure 1250-2500/1/1 A for "Bus-coupler" with two protection core.	2
1.3.6	Three-phase current transformer with enclosure 1250-2500/1/1 A for 66kV "Coupler" with one protection core and one measuring core.	1
1.3.7	Single-pole current transformer from each type	NA
1.4	66kV Surge Arresters	
1.4.1	Three-Phase GIS surge arrester with enclosure	1
1.5	66kV GIS:	
1.5.1	(72.5kV) test bushing (3pcs) with flange and split module for installation to perform HV test.	1
1.5.2	Set O-rings & gasket for CB enclosure	2
1.5.3	Set O-rings & gaskets for drive mechanism	2
1.5.4	Set closing/trip coil.	2
1.5.5	Set circuit breaker auxiliary contacts.	1
1.5.6	Set complete three phase mechanism.	1
1.5.7	Gas filling valve.	3
1.5.8	Absorbent kit.	3
1.5.9	Rupture disc (Safety diaphragm).	3
1.5.10	Gas monitoring for CB.	2
1.5.11	Gas monitoring for other equipments.	3
Total amount		USD 222,680.00

Annex III

Customer Training (Optional)

Required Training

Item	Description	Location	Engineer Qty	Qty	Unit	Price
1	General Training of HV GIS	SHVS	4	2	Week	USD 20,000.00
Total	Offer price (without VAT)					USD 20,000.00

Total Price of Training:

* The price of training as listed are **Not** included in GIS price main offer above.