



Subject: Supply and installation of (6000 watt) Solar System for Goli Basi Health Unit in Abyei Administrative Area.

HOPE

HOPE is a National NGO working with local communities to promote peace, stability, resilience, sustainable development through activities of Saving Life, Sustainable and Durable Solutions of humanitarian aid, recovery and development, by focusing on main sectors of Peacebuilding & Governance, FSL, WASH, Health & Nutrition, Education, and Protection.

Bid No: HOPE/2025/016

14/5/2025:

21/5/2025:

City: Abyei

Deadline: 21 May 2025

Description:

Subject: Supply and installation of (6000 watt) Solar System for Goli Basi Health Unit in Abyei Administrative Area.

Subject: Request for quotations for the supply and installation of a solar power station (6000 watts) in the . health unit in the Goli area in the Abyei Administration

Item	DESCRIPTION	Specification	UOM	QTY	Unit Price	Total Price
1	The Solar System inputs:					
1.1	<u>Solar PV Modules</u>	Supply and fix of PV system with total capacity not less than 6000 WATT. Solar PV modules must be mono/poly half cut with minimum efficiency of 19%, the (minimum capacity on single module not less than 500 Wp at STC), according to technical specifications attached to the tender documents. (Please specify the size and number of cells and number in your technical offer).	Watt Watts	6,000		
1.2	Solar panels mounting structure	Supply ,delivery and and fixing of Mounting Structure ready made for solar PV array system in item (1.1) above, should meet the technical requirement indicated in technical specifications and the drawings.(15~20° tilt angle and to withstand high wind speed of (40m/s), on concrete base with the front legs 1.5 meters above ground level.	Lum sum Neshat	1		
1.3	Lithium iron phosphate batteries bank system -	Supply ,delivery and installation of complete solar batteries system of the		4		

	LiFePO4 or equivalent quality 200Ah/48V lithium batteries	system shall be composed of lithium iron batteries 200Ah/48V.Prices inclusive all the accessories required for the battery system. The battery system shall be provided with temperature sensor devices. The battery system should be installed and mounted on well-organized steel rack /shelves.The battery bank should be equipped with 35mm2 of 2 cores DC cable (red &black) with batteries connection. (If the bidder is quoting for different battery sizes then the total size should be around 40.00 KW.The offer should include all accessories needed for the battery bank system).	Item			
1.4	Inverter with integrated charging controller.	DC/AC hybrid (Pro) Invertors 6000KW with MPPT integrated charging controller. The inverters should be equipped with parallel connection function and all accessories required.	item	1		
1.5	4mm2 * 2 core cable (DC cable)	All cables used shall be as per IS 694. Suitable size of cable minimum 4 mm ² shall be used in enough length for interconnection between solar PV array to solar PV controller . Selection of the cable shall be as per IS 14536. Price shall included the insulation pipes for the wire. Please adhere to technical specifications attached to the tender documents. Price shall included all associated works such as trenching ,trunks and any other provisions needed.	meter	25		
1.6	6mm2 * 4 core cable (AC cable)	All cables used shall be as per IS 694. Suitable size of cable minimum 6 mm ² shall be used in enough length for interconnection between invertors and distribution board . Selection of the cable shall be as per IS 14536. Price shall include the insulation pipes for the wires. Please adhere to technical specifications attached to the tender documents. Price shall included all associated works such as trenching ,trunks and any other provisions needed.	meter	30		
1.7	Earthing System and lighting	Supply and delivery of earthing system and lightening arrestor with all standard accessories.	item	1		
1.8	Distribution board	Supply delivery of distribution board that match the load of the system with all accessories' distribution board shall be connected to the main distribution board of the building.	item	1		
1.9	Changeover switch Hook switch	Supply delivery of change over switch matching the size of the loads to changing from solar system to generator system. Price inclusive all accessories ,associated works and connection with solar control panel and the main building control panel.	item	1		
1.10	The system installation remaining . accessories	The supplier shall provided all the required accessories such as cable trays, switches ,junction boxes, cables, MCs 4, circuits brakers and disconnectors between, solar panels ,charging controllers, battery bank system ,distribution boards ...etc.	item	1		
1.11	Installation cost	Installation of the solar system, testing ,commissioning and conduction of simple training for the users on proper operation and maintaining of the system.	item	1		
2	Transportation Cost	Transportation of all the inputs to the Samsour area	trip	1		

	Total SDG	
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Item	Cost Summary:		
1	Subtotal of the solar system		0.0
2	Total transportation cost		0.0
	Total All-inclusive Offer for the solar system		0.0

: Required technical terms and specifications

Attached to this table are the technical specifications and drawings of the items to be supplied, referred to as attachments

The price includes the supply of equipment, materials, installation and operation related works, and everything necessary to complete the work with the quality required in the technical specifications

.All supplied devices and equipment must meet local and international quality and safety requirements

.All items must be priced. Any item that is not priced will be considered zero

The bidder must submit a copy of the technical documents for each product or device that will be supplied as a catalogue with the tender booklet

Required terms and technical specifications:

- Detailed Technical Specifications are provided as Attachment which shall be referred to in determining the specifications and quality of equipment and materials to be supplied under the scope of this BOQ;
- The quoted price shall cover all the associated cost such as equipment, materials, delivery and installation, quality requirements and testing of the system.
- All the items shall meet the National and the international quality standards.
- All the items shall be priced. Unpriced items cost shall be deemed as Zero.
- The Bidder shall provide along with their offer all technical descriptions documents such as data sheets, catalogue.

Below Requirements should be submitted to HOPE Office in Abyei_ Eldayer by hand or through email:

hopesudan.kh@gmail.com Deadline: 16th May 2025

- Details Offer.
- Company Profile included relevant achievements.
- Copies for all company's certificates.

The requirements below must be submitted to the Hope Office in Abyei Aldayer by hand or email. Deadline: May 16, 2025

. Quotation details

. Company profile includes relevant achievements

. Copies of all company certificates

The tender Requirements will be submitted to HOPE office mentioned in this letter, for questions or inquiries, you can contact the Procurement Manager or Procurement Officer: 0120023522/ 0120023526 or send to e-mail: hopesudan.kh@gmail.com

For inquiries, you can contact the Purchasing Manager : 0120023522 / 0120023500 or inquire hopesudan.kh@gmail.com:by sending an email to

Thank you.

Yours' Sincerely,

. Thank you
,Sincerely

Mr. Osman Ahmed Belal, Country Director, HOPE

Mr. Osman Ahmed Bilal, Country Manager , Hope

Documents:

- Supply and Delivery installation of 6000 W Solar System for Goli Basi Health Unit (BHU).pdf

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<https://www.sudanbid.com/staff.php?action=job&type=add&s=a3afb5116cc16b3c0bf81b780890b0d3>