



Date:

التاريخ:

Date:14/05/2025

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

الموضوع: طلب تقديم عروض أسعار لتوريد وتركيب محطة طاقة شمسية (6000 وات) في الوحدة الصحية بمطقة قولى في ادارية أبيي.

Item	DESCRIPTION	Specification	UOM	QTY	Unit Price	Total Price
1	The Solar System inputs:					
1.1	Solar PV Modules الخلايا الشمسية	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 واط	6,000		
1.2	Solar panels mounting structure حامل الخلايا الشمسية	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 نشاط	1		
1.3	Lithium iron phosphate batteries bank system - LiFePO4 or equivalent quality 200Ah/48V بطاريات ليثيوم	Supply ,delivery and installation of complete solar batteries system of the 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	4		
1.4	Inverter with integrated charging controller. انفرتر مدمج مع الشاحن والمنظم	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) كابل 4 ملم	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	meter	25		



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		attached to the tender documents. Price shall included all associated works such as trenching ,trunks and any other provisions needed.				
1.6	6mm2 *4 core cable (AC cable) كابل 6 ملم	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 ونظام التأسيس وحماية الصاعقة	Supply and delivery of earthing system and lightening arrestor with all standard accessories.	item	1		
1.8	Distribution board طلبون توزيع	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 مفتاح قلاب	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. ملحقات تركيب كاملة	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 تكلفة التركيب	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 تكلفة الترحيل	Transportation of all the inputs to to Samsour area تكلفة ترحيل كل المواد الى سمسور	trip	1		
Total SDG						

Item	Cost Summary:		
1	Subtotal of the solar system جملة نظام الطاقة الشمسية		0.0
2	Total transportation cost جملة الترحيل		0.0
Total All-inclusive Offer for the solar system جملة الاعمال			0.0



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الشروط والمواصفات الفنية المطلوبة:

- مرفق مع هذا الجدول المواصفات الفنية والرسومات للأشياء المراد توريدها مشار إليها كمرفقات
- يشمل السعر توريد الأجهزة والمعدات والمواد والأعمال المتعلقة بالتركيب والتشغيل وكل ما يلزم لإنجاز العمل بالجودة المطلوبة في المواصفات الفنية
- كل الأجهزة والمعدات الموردة يجب أن تستوفي شروط الجودة والسلامة المحلية والدولية
- يجب تسعير كافة البنود وأي بند لم يتم تسعيره يعتبر سعره صفرا
- يجب على المتنافس تقديم صورة من المستندات الفنية لكل منتج أو جهاز سوف يتم توريده كالتالوج مع كراسة العطاء

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.

يجب تقديم المتطلبات أدناه إلى مكتب هوب بأبيي الدابر باليد أو إرسال المستندات عبر البريد الإلكتروني، الموعد النهائي: 16 مايو 2025

- تفاصيل عرض الأسعار.
- ملف الشركة يتضمن الإنجازات ذات الصلة.
- نسخ عن جميع شهادات الشركة.

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

للاستفسار يمكنك الاتصال على مدير المشتريات: 0120023500 / 0120023522 أو الاستفسار عبر الإرسال إلى البريد الإلكتروني: hopesudan.kh@gmail.com

Thank you.

Yours' Sincerely,

شكرا لك.

مع خالص التقدير،

Mr. Osman Ahmed Belal, Country Director, HOPE

السيد/ عثمان أحمد بلال، المدير القطري، هوب