



# International Rescue Committee (Sudan Country Program)

## Request for Proposal (RFP)

### Supply and Installation of Solar Systems for Eleven (11) Health Facilities in Omdurman and River Nile IRC/SDN/TEND/ATB/2025/03

Planned Timetable	
Issue Request for Proposal	21 <sup>st</sup> December 2025
Suppliers return signed Intent to Bid forms due date	5 <sup>th</sup> January 2026
Questions from Suppliers due date	28 <sup>th</sup> December 2025
Answers to Suppliers questions due date	30 <sup>th</sup> December 2025
Bid submission due date	5 <sup>th</sup> January 2026 4PM Central Africa time
Bid Opening and Evaluation date	6 <sup>th</sup> January 2026
Suppliers visit if applicable	12 <sup>th</sup> January 2026
Award of Business	19 <sup>th</sup> January 2026
Contract start	25 <sup>th</sup> January 2026

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## A. INTRODUCTION

### 1. *The International Rescue committee*

The International Rescue Committee, hereinafter referred to as “the IRC”, is a non-profit, humanitarian agency that provides relief, rehabilitation, protection, resettlement services, and advocacy for refugees, displaced persons and victims of oppression and violent conflict.

### 2. *The Purpose of this Request for Proposal (RFP)*

It is the intent of this RFP to secure competitive proposals to select Supplier(s) for the International Rescue committee (Sudan country Program /River Nile Office) to carry out (Supply and Installation of Eleven (11) Solar Systems) at the following locations: -

- **Omdurman:-**
  - 1- Alhara 38 health facility in Omdurman
  - 2- Gos Nafisa health facility in Omdurman
  - 3- Alshariga Alfath2 health facility in Omdurman
  - 4- Abadoba health facility in Omdurman
  - 5- Abooda health facility in Omdurman
  - 6- Alhara 51 health facility in Omdurman
  - 7- Alshinab health facility in Omdurman
  - 8- Alснаheer health facility in Omdurman.
- **River Nile state:-**
  - 1- Althora 24 health facility in Shandi, River Nile state
  - 2- Ahmed Mulah Gorishi in Shandi, River Nile state
  - 3- Aldakhla in Atbara, River Nile state

All qualified and interested Suppliers are invited to submit their proposals as follows:

Item No.	DESCRIPTION
Lot A	Full solar system for 8 Health Facilities in Omdurman
Lot B	Full solar system for 3 Health Facilities in River Nile (Shendi and Atbara)

Note: A Bidder may participate in one or more Lots.

The winning Bidder(s) will enter into a fixed price Agreement. Bidders shall be domiciled in and shall comply with all Government Regulations to operate in (Sudan). Bidders shall be regular taxpayers and shall furnish a copy of their operating license/certificate of registration valid for the fiscal year (2025/2026). Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent practices.

### 3. *Cost of Bidding*

The Bidder shall be responsible for all costs associated with the preparation and submission of its bid, and IRC hereinafter referred to as “the Purchaser”, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

## B. THE BIDDING DOCUMENTS:

### 4. *The Bidding Documents*

The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents prepared for the selection of qualified suppliers. Failure to furnish all information

required as per the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in bid rejection.

#### 5. **Clarification of Bidding Documents**

A prospective Bidder requiring clarification of the Bidding Documents may notify the Purchaser in writing at [SU-AtbaraOmdurmanQuotations@rescue.org](mailto:SU-AtbaraOmdurmanQuotations@rescue.org). The request for clarification must reach the purchaser not later than (28<sup>th</sup> December 2025). The Purchaser shall respond by e-mail providing clarification on the bid documents no later than (30<sup>th</sup> December 2025). Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) shall be communicated to all prospective Bidders which express an intention to submit bids.

### C. PREPARATION OF BIDS:

#### 6. **Language of Bid**

The Bid and all related correspondence and documents exchanged between the Bidders and the Purchaser shall be written in (English). Any printed literature furnished by the Bidder and written in another language shall be accompanied by a (English) translation of its pertinent passages, in which case, for purposes of interpretation of the bid, the (English) version shall prevail.

#### 7. **Documents Comprising the Bid**

The submitted bid shall include the following information. Failure to provide all requested information or to comply with the specified formats may disqualify the Bidder from consideration.

##### *Eligibility documents that will be checked before technical evaluation (Preliminary Evaluation)*

- *Certificate of Business registration.*
- *Certified or color copy of trading license*
- *Copy of VAT Registration Certificate as required by the laws of Sudan.*
- *Profile of the company*
- *Certified or color copy of income tax clearance*
- *Memorandum and Article of Association if applicable.*
- *Vendor information form filled, signed & stamped **Annex A***
- *IRC Conflict of Interest and supplier code of conduct filled, signed & stamped – **Annex B***
- *Intent to Bid filled, signed & stamped **Annex C***

##### *Technical / Administrative (Envelop/Folder)*

- *Tenderer's Key Personnel with CVs and academic documents. Contractor's Site Supervisor should be a qualified Electrical/ Mechanic Engineer (bachelor's degree) or equivalent with at least five years' project management experience. (Attach CVs).*
- *Evidence of experience, that is Recommendation Letters or Certificates of Completion, at least 5 Letters/Certificates of similar project shall be submitted.*
- *Tenderer's Scope of Work signed & stamped **Annex D***
- *Technical BoQs filled, signed & stamped. **Annex E***
- *Technical drawings signed & stamped- **Annex F**.*
- *Program/Schedule of work Form –filled, signed & stamped. **Annex G***

##### *Financial Envelop*

- **Annex E**: - Tenderer's Financial Offer Priced Bills of Quantities.
- Other important documents bidder feels need to be attached to support his/her bid.

### 8. **Bid Prices.**

The Bidder shall clearly indicate the unit price of the goods it proposes to supply. All unit prices shall be clearly indicated in the space provided in the price schedule, and all unit prices quoted in the RFP response shall be agreed to be in effect for a minimum of twelve (12) months beginning on the date when the contract is executed, with the exception of products or services which are subject to significant and unavoidable market forces which prevent this, in which case the Bidder shall describe and justify the driver(s) of potential price fluctuation during the first twelve (12) months of the agreement. The Bidder shall sign the price schedule and shall stamp the price schedule with the Bidding Company's seal where feasible.

### 9. **Bid Currencies**

All financial rates and amounts entered in the Bid Form and Price Schedule and used in documents, correspondence, or operations pertaining to this tender shall be expressed in **(USD)**.

**Disclaimer:** IRC is not obligated to compel any bank in Sudan to process payments to vendors in USD. The Sudanese bank may retain the discretion to disburse the contract equivalent in Sudanese Pounds (SDG), utilizing the official exchange rate set by the Bank of Khartoum or Blue Nile Mashreg Bank.

### 10. **Document Establishing Goods Eligibility and Conformity to Bidding Documents**

Pursuant to Clause 7, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the Bidding Documents of all goods and services, which the Bidder proposes to supply under the Contract.

The Documentary evidence of the goods' and services' conformity to the Bidding Documents may be in the form of technical specifications, literature, drawings, data (tables, graphs etc.), and shall furnish:

- A detailed description of the goods' essential technical and performance characteristics.
- A clause-by-clause commentary on the Purchaser's Technical Specifications demonstrating the goods' and services' substantial responsiveness to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

The Bidder may propose alternate standards, brand-names and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions are substantially equivalent or superior to those designated in the Technical Specifications.

### 11. **Bid Security**

For the Purpose of this Tender Process, Bid Security or Bond is not applicable.

### 12. **Period of Validity of Bids**

Bids shall remain valid for **120 working days** after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive.

In exceptional circumstances, the Purchaser may request the Bidders to extend the period of validity. The request and the responses thereto shall be made in writing by letter or e-mail. A bidder agreeing to the request will not be required nor permitted to modify his bid.

### **13. Format and Signing**

The original bid shall be signed by the Bidder or by a person or persons authorized to bind the Bidder to the contract. Financial proposal pages of the bid shall be initialed by the person or persons signing the bid and stamped with the Bidder's company seal.

Interlineations, erasures, annotations, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

*Please note: A single bidder may not bid on the same tender via more than one company under his or her ownership. In addition, bidders having close relationships with other bidders (members of the same family, subsidiary, or daughter companies, etc.) may not bid on the same tender. This type of action, or any other action judged by the Purchaser to constitute collusive behavior, will lead to the bidder(s) being automatically eliminated from this tender and disqualified from participating in future IRC tenders. On the other hand, one bidder may submit more than one offer in response to the same tender only if the offers demonstrate clear differences in specifications, quality, lead time, and other characteristic of the goods and services offered.*

## **D. SUBMISSION OF BIDS**

### **14. Submission and Marking of Bids:**

Bidder shall submit sealed bids addressed to the **Procurement Committee, at International Rescue Committee physically at IRC office in (Plot 8, Block 3, Alshergi Extension Area, Atbara, River Nile State, Sudan) By 5<sup>th</sup> January 2026 4:00PM (Central African Standard Time).**

Bids submitted after the deadline will not be accepted. The PURCHASER may, at its discretion, extend the deadline for the submission of bids, in which case all rights and obligations of the PURCHASER and Bidders, as documented in the RFP, will be applicable to the new deadline.

**Bidders shall sign the bid register form at the reception of the IRC office indicating their company name, telephone number, and date of submission.**

Bidders shall sign the bid register form at the reception of the IRC office indicating their company name, telephone number, and date of submission.

#### **Format**

The Bidder's proposal shall include a technical proposal and a financial proposal, in separate sealed envelopes. Clearly indicate the Lot Number and Lot Title you are bidding for.

### **15. Modification and Withdrawal of Bids**

The Bidder may modify or withdraw its Bid after submission, provided that written notice of the modification, including substitution or withdrawal of the Bids, is received by the Purchaser prior to the deadline prescribed for submission of Bids.

The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched. No Bid may be modified after the deadline for submission of bids.

**E. BID OPENING AND EVALUATION**

**16. Preliminary Examination**

The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether bids are generally in order.

**17. Evaluation and Comparison of Bids**

Bids determined to be substantially responsive as per section 7 above will be considered evaluated by the IRC Procurement Committee, with the below scoring criteria.

EVALUATION CRITERIA	DESCRIPTION	WEIGHT (%)
<b>Eligibility</b>	Refers to Bidder’s ability to demonstrate that they have valid business registration, tax certificate, and all registration documents as required by the laws of Sudan. Eligibility criteria will be scored YES / NO. Yes, will proceed to full technical evaluation and NO will be excluded from Technical and Financial evaluation.	<b>Yes or No</b>
<b>Key Staff Capacity</b>	Contractor’s Site Supervisor should be a qualified Electrical/ Mechanic Engineer (bachelor’s degree) or equivalent with at least five years’ project management experience. (Attach CVs). Referring to the technical experience of the responsible Electrical/ Mechanic Engineer and those individuals who are assigned to this project. The personnel present shall work with the IRC to supervise the construction and must be present to deliver the project.	<b>10%</b>
<b>Program of Work (Work schedule) Annex G</b>	Referring to Bidder, providing the most advantageous Work schedule in terms of weeks (7days/Week). Please specify in weeks for each BoQ structure in case you are bidding for more than one BoQ.	<b>5%</b>
<b>Warranty</b>	Refers to the bidder providing the most favorable warranty period for the required goods. The purchaser preferred Warranty period is 1 year at least. Attach a proof of Warranty	<b>5%</b>
<b>Payment terms</b>	Refers to the Bidder’s providing the most favorable terms of payment. The Purchaser payment terms are to pay within 30 calendar days of acceptance of services and receipt of invoice.	<b>5%</b>
<b>Past Experience</b>	Refers to Bidders ability to demonstrate relevant experience and technical knowledge of the services required, experience working with IRC and other INGOs. Evidence of experience, that is Recommendation Letters or Certificates of Completion, At least 5 Letters/Certificates of completion of similar projects shall be submitted.	<b>25%</b>
<b>Financial proposal</b>	Referring to the offer price, including taxes, duties, delivery charges, and payment terms.	<b>50%</b>
<b>Total</b>		<b>100%</b>

**18. Contacting the Purchaser**

Subject to Clause 5, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded, or the selected qualified supplier is announced.

**19. Notification of Award**

Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful bidder in writing or where necessary by telephone that his or her bid has been accepted and selected for Master Purchase Agreement for the specific goods and/or services. At this stage IRC may also choose to negotiate with the selected bidder to finalize the offer.

**F. CONTRACTING**

**20. Contract award and notification**

The Purchaser shall award the Contract to the notified successful Bidder(s) whose bid has been determined to be substantially responsive and has been determined to be the best evaluated bid considering price and performance factors, provided further that the Bidder is determined to be qualified to enter into a Master Purchase Agreement and perform its obligations satisfactorily.

**21. Warranty**

The Supplier shall warrant that the goods to be supplied are new, unused, of the most recent or current models (products), and meet the Purchaser’s specifications.

The warranty shall remain valid for a period of time as may be specified by the supplier in the Bid and this warranty period shall be considered as one of the bid advantages, and shall in no case be less than that which is provided for by (Sudan) Law if any.

**22. Inspection**

The Purchaser shall have the right to inspect the goods to confirm their conformity to the specification. The inspection will be conducted by assigned staff of the Purchaser or a reputed relevant consultant selected by the Purchaser.

In the future business relation, should any inspected goods fail to conform to the specification, the Purchaser may reject them and the Bidder shall replace the rejected goods without extension of time except at the Purchaser’s sole discretion.

**23. Price Schedules and Location**

There are a total of Eleven (11) Bill of Quantities:

Item No.	DESCRIPTION
Lot A	Full solar system for 8 Health Facilities in Omdurman
Lot B	Full solar system for 3 Health Facilities in River Nile (Shendi and Atbara)

**24. Service or consultant agreements**

For service or consultant agreements time and material awards are not authorized unless it is the only suitable award and a ceiling is established.

**25. Disclaimer**

The Purchaser reserves the right to alter the dates of the timetable.

The Purchaser does not bind itself to accept the lowest or any proposal.

The Purchaser is not under obligation to compel Banks in Sudan to make payment to the vendor in USD

## G. ETHICAL OPERATING STANDARDS

**1. Compliance to the IRC Way**

The IRC Way: Standards for Professional Conduct (“The IRC Way”), the IRC’s code of conduct, which can be found at: <https://www.rescue.org/page/our-code-conduct> and IRC’s combating Trafficking in Persons Policy, which can be found at: <https://rescue.app.box.com/s/h6dv915b72o1mapxg3vczbqxjtboyel>. The IRC Way provides three (3) core values - Integrity, Service, and Accountability – and twenty-two (22) specific undertakings.

The IRC Way provides, inter alia, that IRC does “not engage in theft, corrupt practices, nepotism, bribery, or trade in illicit substances.” IRC’s procurement systems and policies are designed to maximize transparency and minimize the risk of corruption in IRC’s operations.

IRC requests that a supplier

- (i) informs IRC upon becoming aware that the integrity of IRC’s business has been compromised during the RFP process, and
- (ii) Reports such events through IRC’s confidential hotline, Ethics point, which can be accessed at [www.ethicspoint.com](http://www.ethicspoint.com) or via toll-free (866) 654-6461 in the U.S., or collect (503) 352-8177 outside the U.S.

**2. Bidder Non-Collusion Statement**

IRC prohibits collusion and will disqualify all bids where collusion is detected. Collusion happens when related parties submit separate bids for the same tender. Collusion includes situations where:

- a) Members of the same family submit separate bids for the same tender
- b) Separate companies owned by the same person submit separate bids for the same tender
- c) Employees of a bidding company submitting separate bids through companies they own for the same tender
- d) Partners in a bidder submitting separate bids under their own names/ companies they own for the same tender

It is collusion for a person to be involved in more than companies/ businesses submitting a bid to the same tender. Collusion will lead to IRC disqualifying the involved Individuals or companies from that tender as well as disqualify them from submitting bids for future tenders. In addition, IRC may share information relating to this collusion with other international aid organizations operating in the region leading to loss of business opportunities for the colluders.

**List of annexes**

- *Annex A - Vendor Information form (VIF)*
- *Annex B - IRC Conflict of Interest and Supplier Code of Conduct*
- *Annex C - Intent to Bid form*
- *Annex D - Scope of Work attached for Lot A, and Lot B.*
- *Annex E – BOQ \_ Price schedule (Lot A, and Lot B)*
- *Annex F – Technical Drawings for Lot A, and Lot B.*
- *Annex G - Program/schedule of work (Lot A, and Lot B).*

**Annex A - Vendor information form (VIF)**



**INTERNATIONAL RESCUE COMMITTEE**  
**Vendor Information Form**

*The information provided will be used to evaluate the Company before contracting with the IRC.  
 Please complete all fields.  
 Fields marked (\*) are mandatory.*

**Vendor Information**

*Company/Organization Name *For individual consultants, provide legal first and last name		
*Any other names company is operating under (Acronyms, Abbreviations, Aliases) if any		
*Previous names of the company		
*Address		
*Website		
*Phone/Fax Numbers	Phone:	Fax:
*Primary Contact	First Name: Phone Number:	Last Name: Email Address:
*Email address of Accounts Receivable person or team		
*Email address to which Purchase orders should be sent		
*Number of Staff		
Number of Locations		
Avg. \$ Value of Stock on Hand		
*Name(s) of Company Owner(s) or Board of Directors or CEO		
*Parent companies, if any		
*Subsidiary or affiliate companies, if any		

Vendor's Initials \_\_\_\_\_

**Financial Information**

*Bank Name and Address	Please include the full bank address, must include the country		
*Name under which company is registered at bank	Also called Account Title. Example: International Rescue Committee (IRC)		
*Specify Standard Payment Terms (Net, 15, 30 days etc)			
*Payment Method (select all that applies)	Payment by:	<u>Check:</u> Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>Wire Transfer:</u> Yes <input type="checkbox"/> No <input type="checkbox"/>
Vendor preferred Currency			
*Bank account number	This field is to be completed upon notification of awarding of order\contract		
*Routing Number (Branch code/ Sort code if applicable)	This field is to be completed upon notification of awarding of order\contract		
IBAN number (if applicable)	This field is mandatory if payment requires an international wire transfer		
BIC/Swift code (if applicable)	This field is mandatory if payment requires an international wire transfer		

**Intermediary Banking Information** (to be filled **ONLY** if vendor payment requires an international wire transiting through an **intermediary bank**. The vendor can obtain this information from their corresponding bank.)

*Bank Name and Address	Please include the full bank address, must include the country
*Bank Branch code	This field is mandatory if international wire transfer transits through an intermediary bank
*Bank account number	This field is mandatory if international wire transfer transits through an intermediary bank
BIC/Swift code (if applicable)	This field is mandatory if international wire transfer transits through an intermediary bank

**Product/Service Information**

List Range of Products/Services Offered	
Basis For Pricing (Catalog, List, etc.)	

Vendor's Initials \_\_\_\_\_

**Documentations as applicable:**

*Registration	Provided: <input type="checkbox"/>	Reasons:
	Not provided: <input type="checkbox"/>	
*Tax ID (US W9, tax exempt certificate. etc.) or country specific required tax forms	Provided:	
US Vendors only *Do you require a Form 1099?	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>

**References (optional)**

Client Name:	<u>Contact Name, Phone, Email Address:</u>
Client Name:	<u>Contact Name, Phone, Email Address:</u>
Client Name:	<u>Contact Name, Phone, Email Address:</u>

**Financial definitions:**

- BIC/SWIFT code: consists of 8-11 characters used to identify the vendors bank during an international transaction
- IBAN number: is used to identify the vendors bank account involved in the international transaction
- The intermediary/correspondent bank is a third-party bank used by the vendor's bank to facilitate international transfers. The vendor can obtain this information from their corresponding bank.

**Vendor Self-Certification of Eligibility**

Company certifies that:

1. They are not debarred, suspended, or otherwise precluded from participating in major donor (e.g. European Union, European and United States Government, United Nations) competitive bid opportunities.
2. They are not bankrupt or being wound up, are having their affairs administered by the courts, have entered into arrangements with creditors, have suspended business activities, are the subject of proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations.
3. They have not been convicted of an offense concerning their professional conduct.
4. They have not been guilty of grave professional misconduct proven by any means that the contracting authority can justify, or been declared to be in serious breach of contract for failure to comply with their contractual obligations towards any contracts awarded in the normal course of business.
5. They have fulfilled obligations related to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which they are established or with those of the country where the contract is to be performed.

Vendor's Initials | \_\_\_\_\_

6. They have not been the subject of a judgment for fraud, corruption, involvement in a criminal organization or any other illegal activity.
7. They maintain high ethical and social operating standards, including:
  - Working conditions and social rights: Avoidance of Child Labor, bondage, or forced labor; assurance of safe and reasonable working conditions; freedom of association; freedom from exploitation, abuse, and discrimination; protection of basic social rights of its employees and the IRC's beneficiaries.
  - Environmental aspects: Provision of goods and services with the least negative impact on the environment.
  - Humanitarian neutrality: Endeavoring to ensure that activities do not render civilians more vulnerable to attack, or bring unintended advantage to any military actors or other combatants.
  - Transport and cargo: Not engaged in the illegal manufacture, supply, or transportation of weapons; not engaged in smuggling of drugs or people.
8. Company warrants that, to the best of its knowledge, no IRC employee, officer, consultant or other party related to IRC has a financial interest in the Company's business activities, nor is any IRC employee related to principals or owners of the company. Discovery of an undisclosed Conflict of Interest situation will result in immediate revocation of the Company's Authorized Vendor status and disqualification of Company from participation in future IRC procurement.
9. Vendor hereby confirms that the organization is not conducting business under other names or alias's that have not been declared to IRC.
10. Vendor hereby confirms it does not engage in theft, corrupt practices, collusion, nepotism, bribery, or trade in illicit substances.

By signing the Vendor Information Form you certify that your Company is eligible to supply goods and services to major donor funded organizations and that all of the above statements are accurate and factual.

**IRC Conflict of Interest and Vendor Code of Conduct**

Vendor hereby agrees that Vendor and Vendor's employees and subcontractors, if any, shall abide by and follow all established written policies of IRC related to work conduct, including, but not limited to, The IRC Way: Standards for Professional Conduct ("The IRC Way"), the IRC's code of conduct, which can be found at: <https://www.rescue.org/page/our-code-conduct> and IRC's Combating Trafficking in Persons Policy, which can be found here: <https://rescue.app.box.com/s/h6dv915b72o1rnapxg3vczbqxjtboyel>.

The IRC Way provides three (3) core values - Integrity, Service, and Accountability – and twenty-two (22) specific undertakings. Vendor acknowledges that all IRC employees and independent contractors are expected to apply these core values and follow these undertakings in carrying out work on behalf of IRC. It is a point of pride for IRC to apply these behavioral standards in IRC's everyday operations.

**Integrity - At IRC, we are open, honest and trustworthy in dealing with beneficiaries, partners, co-workers, donors, funders, and the communities we affect.**

- We work to build the trust of the communities in which we work and sustain the trust earned by our reputation in serving our beneficiaries.
- We recognize that our talented and dedicated staff are our greatest asset and we conduct ourselves in ways that reflect the highest standards of organizational and individual conduct.
- Throughout our work, IRC respects the dignity, values, history, religion, and culture of those we serve.
- We respect equally the rights of women and men and we do not support practices that undermine the human rights of anyone.
- We refrain from all practices that undermine the integrity of the organization including any form of exploitation, discrimination, harassment, retaliation or abuse of colleagues, beneficiaries, and the communities in which we work.
- We do not engage in theft, corrupt practices, nepotism, bribery, or trade in illicit substances.

Vendor's Initials \_\_\_\_\_

- We accept funds and donations only from sources whose aims are consistent with our mission, objectives, and capacity, and which do not undermine our independence and identity.
- We support human rights consistent with the UN Universal Declaration of Human Rights and The Convention on the Rights of the Child.
- We rigorously enforce the UN Secretary General’s Bulletin on the Protection from Sexual Exploitation and Abuse of Beneficiaries.
- IRC recognizes its obligation of care for all IRC staff and assumes their loyalty and cooperation.

**Service - At IRC, our primary responsibility is to the people we serve.**

- As a guiding principle of our work, IRC encourages self–reliance and supports the right of people to fully participate in decisions that affect their lives.
- We create durable solutions and conditions that foster peace, stability and social, economic, and political development in communities where we work.
- We design programs to respond to beneficiaries’ needs including emergency relief, rehabilitation, and protection of human rights, post–conflict development, resettlement, and advocacy on their behalf.
- We seek to adopt best practices and evidence–based indicators that demonstrate the quality of our work.
- We endorse the Code of Conduct for the International Red Cross and Red Crescent Movement and NGOs in Disaster Relief.

**Accountability - At IRC, we are accountable – individually and collectively – for our behaviors, actions and results.**

- We are accountable and transparent in our dealings with colleagues, beneficiaries, partners, donors, and the communities we affect.
- We strive to comply with the laws of the governing institutions where we work.
- We maintain and disseminate accurate financial information and information on our goals and activities to interested parties.
- We are responsible stewards of funds entrusted to our use.
- We integrate individual accountability of staff through the use of performance evaluations.
- We utilize the resources available to our organization in order to pursue our mission and strategic objectives in cost effective ways.
- We strive to eliminate waste and unnecessary expense, and to direct all possible resources to the people we serve

**Conflict of Interest and Legal Compliance**

- Vendor hereby warrants that, to the best of its knowledge, no IRC employee, officer, consultant or other party related to IRC has a financial interest in the Vendor’s business activities.
- Vendor hereby warrants that, to the best of its knowledge, no IRC employee, officer, consultant or other party related to IRC has a family relationship with the vendor’s owners.
- Discovery of an undisclosed conflict of interest will result in immediate termination of any Agreement and disqualification of Vendor from participation in current and future IRC activities.
- Vendor hereby warrants that the organization is not conducting business under other names or alias’s that have not been declared to IRC.
- Vendor hereby warrants that it does not engage in theft, corrupt practices, collusion, nepotism, bribery, trade in illicit substances, or terrorism or support of terrorism.
- Vendor hereby warrants that it complies with all applicable laws, statutes and regulations, including, but not limited to, export controls, import controls, customs regulations, trade embargoes and other trade sanctions and laws governing unlawful boycotts and payments to foreign government officials.

Vendor’s Initials | \_\_\_\_\_

**Vendor hereby agrees to maintain high ethical and social standards:**

- Working conditions and social rights: Avoidance of child labor, bondage, or forced labor; assurance of safe and reasonable working conditions; freedom of association; freedom from exploitation, abuse, and discrimination; protection of basic social rights of its employees and IRC’s beneficiaries; prohibition of trafficking in persons.
- Environmental aspects: Provision of goods and services with the least negative impact on the environment.
- Humanitarian neutrality: Endeavoring to ensure that activities do not render civilians more vulnerable to attack, or bring unintended advantage to any military actors or other combatants.
- Transport and cargo: Not engaged in the illegal manufacture, supply, or transportation of weapons; not engaged in smuggling of drugs or people.

Disclosures of conflict of interest shall be made in writing to the IRC Supply Chain Coordinator or Deputy Director of Operations in your country. For global procurement, please write to GSCQA. Email: [GSCQA@rescue.org](mailto:GSCQA@rescue.org).

These IRC officials shall then determine whether a conflict exists and is material, and whether the contemplated transaction may be authorized as just, fair, and reasonable. If conflict exists, then the vendor with such a conflict shall be prohibited from participating in the transaction.

If you believe that any IRC employee, volunteer or intern is acting in a manner that is inconsistent with these Standards, please notify a supervisor or the confidential helpline Ethicspoint, [irc.ethicspoint.com](http://irc.ethicspoint.com) or call Ethicspoint toll-free (866) 654-6461 in the U.S./call collect (503) 352-8177 outside the U.S. There will be no retaliation against any person who raises concerns that are based on good faith belief of improper conduct. An intentionally false report or a failure to report conduct that is known to violate these standards may result in disciplinary action.

By signing this statement vendor acknowledges any violation of the above IRC policies will result in immediate termination of any agreement in place and disqualification from participation in future IRC activities.

Vendor Name:	
Signature:	
Title:	
Print Name:	
Date:	

**Annex B:****IRC Conflict of Interest and Supplier Code of Conduct**

Supplier hereby agrees that Supplier and Supplier's employees and subcontractors, if any, shall abide by and follow all established written policies of IRC related to work conduct, including, but not limited to, The IRC Way: Standards for Professional Conduct ("The IRC Way"), the IRC's code of conduct, which can be found at: <https://www.rescue.org/page/our-code-conduct> and IRC's Combating Trafficking in Persons Policy, which can be found here: <https://rescue.app.box.com/s/h6dv915b72o1rnpxg3vczbqxjtboyel>.

The IRC Way provides three (3) core values - Integrity, Service, and Accountability – and twenty-two (22) specific undertakings. Supplier acknowledges that all IRC employees and independent contractors are expected to apply these core values and follow these undertakings in carrying out work on behalf of IRC. It is a point of pride for IRC to apply these behavioral standards in IRC's everyday operations.

**Integrity - At IRC, we are open, honest and trustworthy in dealing with beneficiaries, partners, co-workers, donors, funders, and the communities we affect.**

- We work to build the trust of the communities in which we work and sustain the trust earned by our reputation in serving our beneficiaries.
- We recognize that our talented and dedicated staff are our greatest asset and we conduct ourselves in ways that reflect the highest standards of organizational and individual conduct.
- Throughout our work, IRC respects the dignity, values, history, religion, and culture of those we serve.
- We respect equally the rights of women and men and we do not support practices that undermine the human rights of anyone.
- We refrain from all practices that undermine the integrity of the organization including any form of exploitation, discrimination, harassment, retaliation or abuse of colleagues, beneficiaries, and the communities in which we work.
- We do not engage in theft, corrupt practices, nepotism, bribery, or trade in illicit substances.
- We accept funds and donations only from sources whose aims are consistent with our mission, objectives, and capacity, and which do not undermine our independence and identity.
- We support human rights consistent with the UN Universal Declaration of Human Rights and The Convention on the Rights of the Child.
- We rigorously enforce the UN Secretary General's Bulletin on the Protection from Sexual Exploitation and Abuse of Beneficiaries.
- IRC recognizes its obligation of care for all IRC staff and assumes their loyalty and cooperation.

**Service - At IRC, our primary responsibility is to the people we serve.**

- As a guiding principle of our work, IRC encourages self-reliance and supports the right of people to fully participate in decisions that affect their lives.
- We create durable solutions and conditions that foster peace, stability and social, economic, and political development in communities where we work.
- We design programs to respond to beneficiaries' needs including emergency relief, rehabilitation, and protection of human rights, post-conflict development, resettlement, and advocacy on their behalf.
- We seek to adopt best practices and evidence-based indicators that demonstrate the quality of our work.
- We endorse the Code of Conduct for the International Red Cross and Red Crescent Movement and NGOs in Disaster Relief.

**Accountability - At IRC, we are accountable – individually and collectively – for our behaviors, actions and results.**

- We are accountable and transparent in our dealings with colleagues, beneficiaries, partners, donors, and the communities we affect.
- We strive to comply with the laws of the governing institutions where we work.
- We maintain and disseminate accurate financial information and information on our goals and activities to interested parties.
- We are responsible stewards of funds entrusted to our use.
- We integrate individual accountability of staff through the use of performance evaluations.
- We utilize the resources available to our organization in order to pursue our mission and strategic objectives in cost effective ways.
- We strive to eliminate waste and unnecessary expense, and to direct all possible resources to the people we serve

**Conflict of Interest and Legal Compliance**

- Supplier hereby warrants that, to the best of its knowledge, no IRC employee, officer, consultant or other party related to IRC has a financial interest in the Supplier's business activities.
- Supplier hereby warrants that, to the best of its knowledge, no IRC employee, officer, consultant or other party related to IRC has a family relationship with the supplier's owners.
- Discovery of an undisclosed conflict of interest will result in immediate termination of any Agreement and disqualification of Supplier from participation in current and future IRC activities.
- Supplier hereby warrants that the organization is not conducting business under other names or alias's that have not been declared to IRC.
- Supplier hereby warrants that it does not engage in theft, corrupt practices, collusion, nepotism, bribery, trade in illicit substances, or terrorism or support of terrorism.

- Supplier hereby warrants that it complies with all applicable laws, statutes and regulations, including, but not limited to, export controls, import controls, customs regulations, trade embargoes and other trade sanctions and laws governing unlawful boycotts and payments to foreign government officials.

**Supplier hereby agrees to maintain high ethical and social standards:**

- Working conditions and social rights: Avoidance of child labor, bondage, or forced labor; assurance of safe and reasonable working conditions; freedom of association; freedom from exploitation, abuse, and discrimination; protection of basic social rights of its employees and IRC’s beneficiaries; prohibition of trafficking in persons.
- Environmental aspects: Provision of goods and services with the least negative impact on the environment.
- Humanitarian neutrality: Endeavoring to ensure that activities do not render civilians more vulnerable to attack, or bring unintended advantage to any military actors or other combatants.
- Transport and cargo: Not engaged in the illegal manufacture, supply, or transportation of weapons; not engaged in smuggling of drugs or people.

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Disclosures of conflict of interest shall be made in writing to the IRC Supply Chain Coordinator or Deputy Director of Operations in your country. For global procurement, please write to GSCQA. Email: GSCQA@rescue.org.

These IRC officials shall then determine whether a conflict exists and is material, and whether the contemplated transaction may be authorized as just, fair, and reasonable. If conflict exists, then the supplier with such a conflict shall be prohibited from participating in the transaction.

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If you believe that any IRC employee, volunteer or intern is acting in a manner that is inconsistent with these Standards, please notify a supervisor or the confidential helpline Ethicspoint, [irc.ethicspoint.com](http://irc.ethicspoint.com) or call Ethicspoint toll-free (866) 654-6461 in the U.S./call collect (503) 352-8177 outside the U.S. There will be no retaliation against any person who raises concerns that are based on good faith belief of improper conduct. An intentionally false report or a failure to report conduct that is known to violate these standards may result in disciplinary action.

By signing this statement supplier acknowledges any violation of the above IRC policies will result in immediate termination of any agreement in place and disqualification from participation in future IRC activities.

Supplier Name:
Signature:
Title:
Print Name:
Date:

**Annex C - Intent to Bid form**



**International Rescue Committee, Inc.  
Intent to Bid**

**IRC Reference: #IRC/2SDN/TEN/2025/003**

Company Name \_\_\_\_\_

*(Please indicate #1 or #2 below)*

1.  It is the intent of this company to submit a response to the (Title of RFP) Request for Proposal.

Please provide a name and email address for the person within your company that should receive notices, amendments, etc. that are related to this RFP:

Name \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Signature (If faxed) \_\_\_\_\_

Title of Person signing \_\_\_\_\_

Date \_\_\_\_\_

We realize that this is an intent to bid and in no way obligates this company to participate in this process.

2.  This company DOES NOT intend to participate in this RFP.

Name (Signature if faxed) \_\_\_\_\_

Title of Person signing \_\_\_\_\_

Date \_\_\_\_\_

Please fax or email this form at your earliest convenience to the attention of:

Name (YOU) \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_



## **Annex D: Statement of Work (SOW) for LOT A and B: Supply and Installation of Eleven (11) Solar Systems for Health Facilities in Omdurman and River Nile.**

The following technical statement of work is designed to set an appropriate standard and the technical attribute for Construction works required **in following locations:-**

- Omdurman:-
  - 1- Alhara 38 health facility in Omdurman.
  - 2- Gos Nafisa health facility in Omdurman.
  - 3- Alshariga Alfath2 health facility in Omdurman.
  - 4- Abadoba health facility in Omdurman.
  - 5- Abooda health facility in Omdurman.
  - 6- Alhara 51 health facility in Omdurman.
  - 7- Alshinab health facility in Omdurman.
  - 8- Alснаheer health facility in Omdurman.
- River Nile state:-
  - 9- Althora 24 health facility in Shandi, River Nile state
  - 10- Ahmed Mulah Gorishi in Shandi, River Nile state
  - 11- Aldakhla in Atbara, River Nile state

The statement of work below should be read in parallel with conceptual design BoQs attached in the Annex.

The statement is designed for all key works of infrastructure in the BoQs.

All design elements, distances, levels, heights, specifications must be confirmed by the contractor to achieve the standards required by the IRC.

The contractor shall supply, install, and commission a complete 12 KVA, 48V hybrid solar PV system, including solar panels, batteries, inverters, mounting structures, cabling, grounding, and control equipment. The system shall be designed to operate efficiently under local environmental conditions, with reliable on-grid/off-grid/UPS modes, remote monitoring, and compliance with international standards.

The contractor construction work will be for the bellow components:

1. Solar Panels
  - Supply and install 24 units of 550W, 48V monocrystalline solar panels.
  - Include all wiring, junction boxes, and accessories.
2. Batteries
3. Inverter: Supply and install a 12 KVA, 48V hybrid inverter (equivalent to Growatt).
4. Mounting Structures: Fabricate and install galvanized steel panel holders for 24 solar panels.
5. Battery/Inverter Cabinet: Fabricate and install cabinets using 1.5” angle steel and 3x6 cm steel sections.
6. Control & Combiner Panels
  - Supply and install DC combiner box (IP65, IEC61439 compliant) with 60A MCCB, isolator, fuses, surge protection.
  - Ensure proper labeling, wiring, and safety compliance.
7. Cabling
  - DC cabling: 1x6 mm<sup>2</sup>, copper, dual-insulated, with lugs, glands, conduit, and trenching.
  - AC cabling: 4x6 mm<sup>2</sup> flexible copper with 2.5 mm<sup>2</sup> grounding, flame-retardant, includes ducting from inverter to distribution board.
8. Testing & Commissioning
  - Test all system components individually and as an integrated system.

- Provide a complete commissioning report including as-built drawings, warranties, and manuals.

## Period of Performance

The solar system construction work considered to take a period of 3 weeks (or 21 Days) to complete the work and 1 month of retention period.

## Place of Performance

The construction work for the supply and installation of solar system will take place in:

- Omdurman:-
  - 1- Alhara 38 health facility in Omdurman.
  - 2- Gos Nafisa health facility in Omdurman.
  - 3- Alshariga Alfath2 health facility in Omdurman.
  - 4- Abadoba health facility in Omdurman.
  - 5- Abooda health facility in Omdurman.
  - 6- Alhara 51 health facility in Omdurman.
  - 7- Alshinab health facility in Omdurman.
  - 8- Alsnaheer health facility in Omdurman.
- River Nile state:-
  - 9- Althora 24 health facility in Shandi, River Nile state
  - 10- Ahmed Mulah Gorishi in Shandi, River Nile state
  - 11- Aldakhla in Atbara, River Nile state

The Contractor shall, at his own expense, visit the project site for inspection and study all the circumstances surrounding the implementation before submitting its prices.

The price provided for the repair, replace or maintenance of any item including all required works, supplies, installation, and replacement of the damaged works, as well as repair and maintenance of all that may be affected by other works because of the restoration and maintenance of that item and all necessary for this, the work required is complete.

The contractor shall supply the required materials for the work with good quality, compiled with required standards and specifications, and provide certificate of compliance whenever needed. For electrical Works the contractor shall Supply Material with Good qualities from well-known brands and shall follow the required standards.

## Schedule/Milestones

Milestone	Description of Works	Progress Completion %	Completion timeline
Milestone 1	<ul style="list-style-type: none"> <li>• Site handover</li> <li>• Mobilization &amp; Site Preparation</li> <li>• Supply &amp; Delivery of Materials</li> </ul>	35%	7 Days
Milestone 2	<ul style="list-style-type: none"> <li>• Fabrication of Mounting Structures &amp; Cabinets</li> <li>• Panel Mounting &amp; Installation</li> <li>• Battery &amp; Inverter Installation</li> <li>• DC &amp; AC Cabling Installation</li> <li>• Control Panel &amp; Combiner Box Installation</li> </ul>	45%	10 Days
Milestone 3	<ul style="list-style-type: none"> <li>• Testing &amp; Commissioning</li> </ul>	10%	4 Days
Milestone 4	<ul style="list-style-type: none"> <li>• Retention period</li> </ul>	10%	30 Days

## **Acceptance Criteria**

The Contractor shall submit samples and quality check certificates of all materials before implementation and installation conforming to the specifications. IRC have the right to reject any unauthorized or irregular samples.

The Contractor shall bear the consequences of any removal of the infringing works. IRC have the right to reject any quantities executed before approval.

## **Other Requirements**

The Contractor agrees to give retention period of one months after the work completion date and any defects happens during the one-month period to be held responsible for it.

**ANNEX E: PRICE SCHEDULE Lot-A: Full solar system for 8 Health Facilities in Omdurman.**

**Note: The Bill of Quantities herein applies to all solar systems for the 8 health facilities in Omdurman. Kindly ensure that, in the grand total calculation, the quoted amount for one health facility is multiplied by eight (8):-**

• Lot A – Full solar system for 8 Health Facilities in Omdurman

البند No.	التفاصيل Description	الوحدة Unit	الكمية التقديرية Estimated Quantity	سعر الوحدة Unit Cost USD	السعر الكلي Total Cost USD	الملاحظات Remarks
1	Solar Panel	Panel	18.00			
	الواح طاقة					
2	Battery	No.	2.00			
	بطاريات					

		الشحن الزائد والتفريغ والحرارة، عمر افتراضي $\leq 6000$ دورة عند تفريغ 80%، دعم مراقبة عن بعد وتوصيل حتى 6 بطاريات، قابلة لإصلاح الخلايا، تشمل الكابلات والحوامل.				
3	<b>Inverter</b>	Supply and install 12 KVA, 48V hybrid inverter (Equivalent to Growatt) with 100A MPPT, PV input 125–500VDC, split-phase 220/240VAC output, supports on-grid/off-grid/UPS modes, LCD-configurable settings, Wi-Fi monitoring, dual MPPT, time-of-use function, smart load control, surge/overload protection.	No.	1.00		
	<b>انفيرتر</b>	توريد وتركيب إنفرتر هجين 12 ك.ف.أ، جهد 48 فولت، (ما يعادل اجهزة Growatt) MPPT بقدرة 100 أمبير، جهد إدخال من الألواح 125-500 فولت تيار مستمر، إخراج 240/220 فولت، يدعم التشغيل على الشبكة وخارجها وUPS، إعدادات شاشة LCD، مراقبة Wi-Fi، MPPT مزدوج، حماية من الأحمال الزائدة، وظيفة الجدولة.				
4	<b>Panel holder</b>	Supply and fabricate galvanized steel mounting structure for 18 solar panels using 5x5cm, 4mm thick steel, height $\geq 1.5$ m, withstands wind load, accessible for cleaning. Mounted on 40x40x40 cm concrete bases. Includes welding, bolts, nuts, and epoxy coating.	LS	1.00		
	<b>حامل الواح</b>	توريد وتصنيع هيكل تثبيت لـ 18 لوح شمسي باستخدام حديد مجلفن بمقاس 55x سم وسماكة 4 مم، ارتفاع $\leq 1.5$ م، مقاوم للرياح، يسهل الوصول للتنظيف، مثبت على قواعد خرسانية 40x40x40 سم، يشمل اللحام، البراغي، الطلاء الإيبوكسي.				
5	<b>Battery cabinet</b>	Fabricate and install battery and inverter cabinet using 1.5" angle steel and 3x6 cm steel box sections, double-leaf front door, rust-resistant paint, proper ventilation, includes hinges, locks, lugs, cable holders and all required fittings.	No.	1.00		
	<b>دولاب بطاريات</b>	تصنيع وتركيب دولاب لحفظ البطاريات والإنفرتر باستخدام زوايا حديدية 1.5 بوصة ومواسير 3x6 سم، باب أمامي مزدوج، طلاء مقاوم للصدأ، تهوية مناسبة، يشمل المفصلات والأقفال والملحقات.				
6	<b>Control panel</b>	Supply and install waterproof stainless-steel DC Combiner Box (equivalent to CNC) with 60A MCCB, isolator switch, fuses, diodes, surge protection devices. Rated IP65 and compliant with IEC61439 standard.	No.	1.00		

	لوحة تحكم	توريد وتركيب لوحة تجميع تيار مستمر مقاومة للماء (مكافئة CNC)، من الستانلس ستيل، تشمل قاطع MCCB 60 أمبير، مفتاح عزل، فيوزات، دايودات، أجهزة حماية من الصواعق، مصنفة IP65 ومطابقة للمعايير IEC61439.				
7	DC cable	Supply and install 1x6 mm <sup>2</sup> DC copper cable (red/black), 99% copper purity, dual insulation (halogen-free, UV/heat/moisture resistant), includes cable lugs, glands, conduits, trenching and civil works from panels to inverter.	ML	60.00		
	كابل داخل	توريد وتركيب كابل نحاسي 6 ملم <sup>2</sup> (أحمر/أسود) بنسبة نقاء 99%، عازل مزدوج مقاوم للالهوجين والحرارة والرطوبة، يشمل رؤوس التوصيل، الغدد، المواسير، أعمال الحفر والردم من الألواح إلى الإنفرتز.				
8	AC cable	Supply and install 4x6 mm <sup>2</sup> flexible copper AC cable (Al-Fanar or equivalent) with 2.5 mm <sup>2</sup> grounding, flame-retardant, includes underground ducting, fittings, routing from inverter to distribution board.	ML	40.00		
	كابل خارج	توريد وتركيب كابل تيار متردد نحاسي مرن 6x4 ملم <sup>2</sup> مع أرضي 2.5 ملم <sup>2</sup> ، مقاوم للحريق، يشمل المواسير وأعمال التمديد من الإنفرتز إلى لوحة التوزيع.				
9	Grounding system	Supply and install grounding system with 40x40 cm, 2mm copper plate, 1.5m, 16mm copper rod, treated soil with salt and charcoal, 40x40 cm inspection pit with cast iron cover, ground resistance ≤ 2 ohms, includes 4mm <sup>2</sup> ground cable.	ML	30.00		
	تأريض	توريد وتركيب نظام تأريض متكامل يشمل صفيحة نحاسية 40x40 سم، وتد نحاسي 1.5 م بقطر 16 مم، معالجة التربة بالفحم والملح، غرفة تفتيش 40x40 سم، مقاومة أرضية ≥ 2 أوم، يشمل كابل أرضي 4 ملم <sup>2</sup> .				
<b>Sub-Total USD For 1 health facility المجموع بالدولار الأمريكي لنظام طاقة شمسية مركز صحي واحد</b>						
<b>Vat</b>						
<b>Total USD For 1 health facility including vat _ المجموع بالدولار الأمريكي لمركز صحي واحد شامل ضريبة القيمة المضافة</b>						
<b>Grand-Total in USD for Lot-A: Solar system for 8 Health facilities in Omdurman including vat إجمالي المبلغ بالدولار الأمريكي انظمة طاقة شمسية لثمانية مرافق صحية في أم درمان شامل ضريبة القيمة المضافة</b>						

**ANNEX E: PRICE SCHEDULE Lot-B: Full solar system for 3 Health Facilities in River Nile State (Atbara & Shandi).****Note: The Bill of Quantities herein applies to all solar systems for the 3 health facilities in River Nile State (Atbara & Shandi)****Kindly ensure that, in the grand total calculation, the quoted amount for one health facility is multiplied by three (3):-**

البند No.	التفاصيل Description	الوحدة Unit	الكمية التقديرية Estimated Quantity	سعر الوحدة Unit Cost USD	السعر الكلي Total Cost USD	الملاحظات Remarks
1	<b>Solar Panel</b> Supply, installation and commission 550W, 48V monocrystalline solar panels with Module Efficiency at STC not less than 20.9% • Module Fill Factor not less than 75, operating temperature up to 70°C, certified (CE, IEC61215/61730), with 10-year product and 25-year performance warranty. Includes wiring, and accessories.	Panel	18.00			
	<b>الواح طاقة</b> توريد وتركيب وتشغيل ألواح شمسية بقدرة 550 واط، بجهد 48 فولت، من نوع مونو بكفاءة عند درجة حرارة الاختبار القياسية (STC) لا تقل عن 20% ومعامل الامتلاء للوح (Module Fill Factor) لا يقل عن 75%، تتحمل درجات حرارة حتى 70 درجة مئوية، حاصلة على شهادات CE و IEC، بضمان منتج 10 سنوات وضمان أداء 25 سنة، يشمل التوصيلات، والملحقات.					
2	<b>Battery</b> Supply and install 12.2 kW,48V, 200Ah Lithium-Ion Phosphate battery (Equivalent to Deye) with BMS for protection against overcharge/discharge and temperature, ≥6000 cycles @ 80% DoD, remote monitoring capability, support for up to 6 batteries, repairable cells. Includes cables, base, connectors.	No.	2.00			
	<b>بطاريات</b> توريد وتركيب بطارية ليثيوم فوسفات (LiFePO4) (ما يعادل بطاريات Deye) بقدرة 10 كيلو واط، 48 فولت وسعة 200 أمبير، مزودة بنظام إدارة البطارية BMS للحماية من الشحن الزائد والتفريغ والحرارة، عمر افتراضي ≤6000 دورة عند تفريغ 80%، دعم مراقبة عن بعد وتوصيل حتى 6 بطاريات، قابلة لإصلاح الخلايا، تشمل الكابلات والحوامل.					

3	<b>Inverter</b>	Supply and install 12 KVA, 48V hybrid inverter (Equivalent to Growatt) with 100A MPPT, PV input 125–500VDC, split-phase 220/240VAC output, supports on-grid/off-grid/UPS modes, LCD-configurable settings, Wi-Fi monitoring, dual MPPT, time-of-use function, smart load control, surge/overload protection.	No.	1.00			
	<b>انفيرتر</b>	توريد وتركيب إنفرتر هجين 12 ك.ف.أ، جهد 48 فولت، (ما يعادل اجهزة Growatt) MPPT بقدرة 100 أمبير، جهد إدخال من الألواح 125-500 فولت تيار مستمر، إخراج 240/220 فولت، يدعم التشغيل على الشبكة وخارجها وUPS، إعدادات شاشة LCD، مراقبة Wi-Fi، MPPT مزدوج، حماية من الأحمال الزائدة، وظيفة الجدولة.					
4	<b>Panel holder</b>	Supply and fabricate galvanized steel mounting structure for 18 solar panels using 5x5cm, 4mm thick steel, height $\geq 1.5$ m, withstands wind load, accessible for cleaning. Mounted on 40x40x40 cm concrete bases. Includes welding, bolts, nuts, and epoxy coating.	LS	1.00			
	<b>حامل الواجه</b>	توريد وتصنيع هيكل تثبيت لـ 18 لوح شمسي باستخدام حديد مجلفن بمقاس 55x سم وسماكة 4 مم، ارتفاع $\leq 1.5$ م، مقاوم للرياح، يسهل الوصول للتنظيف، مثبت على قواعد خرسانية 40x40x40 سم، يشمل اللحام، البراغي، الطلاء الإيبوكسي.					
5	<b>Battery cabinet</b>	Fabricate and install battery and inverter cabinet using 1.5" angle steel and 3x6 cm steel box sections, double-leaf front door, rust-resistant paint, proper ventilation, includes hinges, locks, lugs, cable holders and all required fittings.	No.	1.00			
	<b>دولاب بطاريات</b>	تصنيع وتركيب دولاب لحفظ البطاريات والإنفرتر باستخدام زوايا حديدية 1.5 بوصة ومواسير 3x6 سم، باب أمامي مزدوج، طلاء مقاوم للصدأ، تهوية مناسبة، يشمل المفصلات والأقفال والملحقات.					
6	<b>Control panel</b>	Supply and install waterproof stainless-steel DC Combiner Box (equivalent to CNC) with 60A MCCB, isolator switch, fuses, diodes, surge protection devices. Rated IP65 and compliant with IEC61439 standard.	No.	1.00			
	<b>لوحة تحكم</b>	توريد وتركيب لوحة تجميع تيار مستمر مقاومة للماء (مكافئة CNC)، من الستانلس ستيل، تشمل قاطع MCCB 60 أمبير، مفتاح عزل، فيوزات، دايودات، أجهزة حماية من الصواعق، مصنفة IP65 ومطابقة للمعايير IEC61439.					

7	<b>DC cable</b>	Supply and install 1x6 mm <sup>2</sup> DC copper cable (red/black), 99% copper purity, dual insulation (halogen-free, UV/heat/moisture resistant), includes cable lugs, glands, conduits, trenching and civil works from panels to inverter.	ML	60.00			
	<b>كابل داخل</b>	توريد وتركيب كابل نحاسي 6 ملم <sup>2</sup> (أحمر/أسود) بنسبة نقاء 99%، عازل مزدوج مقاوم للهالوجين والحرارة والرطوبة، يشمل رؤوس التوصيل، الغدد، المواسير، أعمال الحفر والردم من الألواح إلى الإنفرتري.					
8	<b>AC cable</b>	Supply and install 4x6 mm <sup>2</sup> flexible copper AC cable (Al-Fanar or equivalent) with 2.5 mm <sup>2</sup> grounding, flame-retardant, includes underground ducting, fittings, routing from inverter to distribution board.	ML	40.00			
	<b>كابل خارج</b>	توريد وتركيب كابل تيار متردد نحاسي مرن 6x4 ملم <sup>2</sup> مع أرضي 2.5 ملم <sup>2</sup> ، مقاوم للحريق، يشمل المواسير وأعمال التمديد من الإنفرتري إلى لوحة التوزيع.					
9	<b>Grounding system</b>	Supply and install grounding system with 40x40 cm, 2mm copper plate, 1.5m, 16mm copper rod, treated soil with salt and charcoal, 40x40 cm inspection pit with cast iron cover, ground resistance ≤ 2 ohms, includes 4mm <sup>2</sup> ground cable.	ML	30.00			
	<b>تأريض</b>	توريد وتركيب نظام تأريض متكامل يشمل صفيحة نحاسية 40x40 سم، وتد نحاسي 1.5 م بقطر 16 مم، معالجة التربة بالفحم والملح، غرفة تفتيش 40x40 سم، مقاومة أرضية ≥ 2 أوم، يشمل كابل أرضي 4 ملم <sup>2</sup> .					
<b>Sub-Total USD For 1 health facility واحد صحي مركز شمسية نظام طاقة شمسية مركز صحي واحد</b>							
<b>Vat</b>							
<b>Total USD For 1 health facility including vat المجموع بالدولار الأمريكي لمركز صحي واحد شامل ضريبة القيمة المضافة</b>							
<b>Grand-Total in USD for Lot-A: Solar system for 3 Health facilities in River Nile state (Atbara &amp; Shandi) including vat إجمالي المبلغ بالدولار الأمريكي انظمة طاقة شمسية للثلاثة مرافق صحية في ولاية نهر النيل (عطبره وشندي) شامل ضريبة القيمة المضافة</b>							

## **ANNEX F: TECHNICAL DRAWINGS for Lot A & Lot B**

Note: The technical requirements herein apply to both Lot A and Lot B :-

- Lot A – Full solar system for 8 Health Facilities in Omdurman
- Lot B - Full solar system for 3 Health Facilities in River Nile State (Atbara & Shandi)







