

Request for Quotation

CARE SUDAN CO

Nile Tower, 5th Floor, Building 20
Block 10, Mamoun Behairy Street
Khartoum
Sudan

Supplier:

Dispatch via Print

Request Quote ID.	Date	Buyer	Page
SDN01-0000025728	09/30/2025	Salma Taha	1
Payment Terms	DateTime Quote Open	Closing	
Due Now	10/08/2025 06:57:17		

Ship To: Nile Tower, 5th Floor, Building 20
Block 10, Mamoun Behairy Street
Khartoum
Sudan

Bill To: Nile Tower, 5th Floor, Building 20
Block 10, Mamoun Behairy Street
Khartoum
Sudan

Line	Item	Description	Mfg ID	Mfg Item ID	Quantity	UOM	Need Date
1		Integration of solarization at Magareef Water Station at Wad Elhiliew rural areas under the MIHR program			1.0000	PCE	
	Freight Terms:	DES	Ship Via:	COMMON			
2		Integration of solarization at Magareef Water Station at Wad Elhiliew rural areas under the MIHR program. location 2 Albahar			1.0000	PCE	
	Freight Terms:	DES	Ship Via:	COMMON			
3		Integration of solarization at Magareef Water Station at Wad Elhiliew rural areas under the MIHR program. location 3. alhafeer.			1.0000	PCE	
	Freight Terms:	DES	Ship Via:	COMMON			
4		Integration of solarization at Magareef Water Station at Wad Elhiliew rural areas under the MIHR program. location 4. city 10 booster station.			1.0000	PCE	
	Freight Terms:	DES	Ship Via:	COMMON			

This is NOT AN ORDER

All returned quotes and related documents must be identified with our request for quote Number.

Authorized Signature



Wad Elhilew Rural - Magareef Water Station - City 11.
BOQ for The Solar Power System Project

Location 1: Albahar Station.

No.	Items	Quantity	Units	Price / unit	Total
1.	Supply, installation, testing, and commissioning of a 90 kW 3-phase hybrid inverter-driven water pump system incorporating a Variable Frequency Drive (VFD) and dual MPPT inputs. The system shall be capable of operating on both solar and grid (or generator) power sources. It should include all necessary components such as the 3phase hybrid inverter with integrated MPPT controllers, VFD, control panel, protection devices, sensors, and associated accessories to ensure full functionality and reliable operation. The complete system shall be installed and commissioned in accordance with the technical specifications, manufacturer's guidelines, and all applicable standards.	1	inverter		
2.	Supply, installation, connection, testing, and commissioning of 590 W monocrystalline solar PV modules with a minimum efficiency of 23%, including all necessary mounting structures, DC wiring, connectors (MC4 or equivalent), cable management accessories, and all other required components. Modules shall be from approved manufacturers or equivalents complying with relevant IEC/ISO standards.	200	Panel		
3.	Supply, installation, and connection of DC combiner box complete with surge protection devices (SPDs), DC-rated fuses, and DC disconnect switches, suitable for photovoltaic (PV) systems. Includes all necessary accessories, internal wiring, cable terminations, labeling, and mounting hardware, as per specifications.	1	System		



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4.	Installation accessories shall include, but not be limited to, nuts, bolts, clips, cable clamps, electrical tape, trunking, and all other necessary fastening and support materials required to complete the installation as per specifications.	1	System		
5.	Supply, installation, and connection of the Lightning Protection System and earthing: Earthing shall be carried out to ensure a resistance of less than 1 ohm. For safety purposes, it shall be ensured during installation that the earthing system is capable of safely conducting leakage currents. The lightning protection system shall have a resistance of less than 5 ohms.	1	System		
6.	Rehabilitation and Modification of Electrical System (with PV System Integration): The scope of work involves the rehabilitation and modification of the existing electrical system, including the re-distribution of electrical loads within the site to align with the overall design intent and to ensure proper integration with the photovoltaic (PV) system. This shall include the modification, separation, diversion, and/or reconnection of existing electrical circuits as required by site conditions. Where necessary, the work shall cover the extension or alteration of existing cables, conduits, and sub-distribution boards to accommodate the revised load distribution and PV system interface. All works shall comply with applicable technical specifications, electrical codes, and safety standards.	1	Job		



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	The scope shall also include the supply and installation of all necessary materials, accessories, supports, terminations, labeling, and testing, ensuring the system operates reliably and safely as a unified whole with the PV installation.				
7.	Supply and installation of a solar panel enclosure of dimensions 40 l m x 30 w x 1.80h m, complete with access door. The enclosure shall be constructed using durable, weather-resistant materials suitable for outdoor use and shall ensure physical protection and restricted access to the solar panel array. The work shall include all required civil, structural, and mounting components, including supports, fasteners, anchoring systems, and finishes, to complete the installation as per site conditions and specifications.	1m	Job		
9.	Total Amount in USD				



**Wad Elhilew Rural Water Station – Albahar
BOQ for The Solar Power System Project**

Location 2: Magareef Station

No.	Items	Quantity	Units	Price / unit	Total
1.	Supply, installation, testing, and commissioning of a 80 kW 3-phase hybrid inverter-driven water pump system incorporating a Variable Frequency Drive (VFD) and dual MPPT inputs. The system shall be capable of operating on both solar and grid (or generator) power sources. It shall include all necessary components such as the 3phase hybrid inverter with integrated MPPT controllers, VFD, control panel, protection devices, sensors, and associated accessories to ensure full functionality and reliable operation. The complete system shall be installed and commissioned in accordance with the technical specifications, manufacturer's guidelines, and all applicable standards.	1	inverter		
2.	Supply, installation, connection, testing, and commissioning of 590 W monocrystalline solar PV modules with a minimum efficiency of 23%, including all necessary mounting structures, DC wiring, connectors (MC4 or equivalent), cable management accessories, and all other required components. Modules shall be from approved manufacturers or equivalents complying with relevant IEC/ISO standards.	136	Panel		
3.	Supply, installation, and connection of DC combiner box complete with surge protection devices (SPDs), DC-rated fuses, and DC disconnect switches, suitable for photovoltaic (PV) systems. Includes all necessary accessories, internal wiring, cable terminations, labeling, and mounting hardware, as per specifications.	1	System		



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4.	Installation accessories shall include, but not be limited to, nuts, bolts, clips, cable clamps, electrical tape, trunking, and all other necessary fastening and support materials required to complete the installation as per specifications.	1	System		
5.	Supply, installation, and connection of the Lightning Protection System and earthing: Earthing shall be carried out to ensure a resistance of less than 1 ohm. For safety purposes, it shall be ensured during installation that the earthing system is capable of safely conducting leakage currents. The lightning protection system shall have a resistance of less than 5 ohms.	1	System		
6.	Rehabilitation and Modification of Electrical System (with PV System Integration): The scope of work involves the rehabilitation and modification of the existing electrical system, including the re-distribution of electrical loads within the site to align with the overall design intent and to ensure proper integration with the photovoltaic (PV) system. This shall include the modification, separation, diversion, and/or reconnection of existing electrical circuits as required by site conditions. Where necessary, the work shall cover the extension or alteration of existing cables, conduits, and sub-distribution boards to accommodate the revised load distribution and PV system interface. All works shall comply with applicable technical specifications, electrical codes, and safety standards. The scope shall also include the supply and installation of all necessary materials, accessories, supports, terminations, labeling, and testing, ensuring the system operates reliably and safely as a unified whole with the PV installation.	1	Job		



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7.	Supply and installation of a solar panel enclosure of dimensions 40 l m x 30 w x 1.80h m, complete with access door. The enclosure shall be constructed using durable, weather-resistant materials suitable for outdoor use and shall ensure physical protection and restricted access to the solar panel array. The work shall include all required civil, structural, and mounting components, including supports, fasteners, anchoring systems, and finishes, to complete the installation as per site conditions and specifications.	1m	Job		
9.	Total Amount in USD				

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No.	Items	Quantity	Units	Price / unit	Total
1.	Supply, installation, testing, and commissioning of a 30 kW 3-phase hybrid inverter-driven water pump system incorporating a Variable Frequency Drive (VFD) and dual MPPT inputs. The system shall be capable of operating on both solar and grid (or generator) power sources. It shall include all necessary components such as the 3phase hybrid inverter with integrated MPPT controllers, VFD, control panel, protection devices, sensors, and associated accessories to ensure full functionality and reliable operation. The complete system shall be installed and commissioned in accordance with the technical specifications, manufacturer's guidelines, and all applicable standards.	1	inverter		
2.	Supply, installation, connection, testing, and commissioning of 590 W monocrystalline solar PV modules with a minimum efficiency of 23%, including all necessary mounting structures, DC wiring, connectors (MC4 or equivalent), cable management accessories, and all other required components. Modules shall be from approved manufacturers or equivalents complying with relevant IEC/ISO standards.	50	Panel		
3.	Supply, installation, and connection of DC combiner box complete with surge protection devices (SPDs), DC-rated fuses, and DC disconnect switches, suitable for photovoltaic (PV) systems. Includes all necessary accessories, internal wiring, cable terminations, labeling, and mounting hardware, as per specifications.	1	System		



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4.	Installation of accessories shall include, but not be limited to, nuts, bolts, clips, cable clamps, electrical tape, trunking, and all other necessary fastening and support materials required to complete the installation as per specifications.	1	System		
5.	Supply, installation, and connection of the Lightning Protection System and earthing: Earthing shall be carried out to ensure a resistance of less than 1 ohm. For safety purposes, it shall be ensured during installation that the earthing system is capable of safely conducting leakage currents. The lightning protection system shall have a resistance of less than 5 ohms.	1	System		



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6.	Rehabilitation and Modification of Electrical System (with PV System Integration): The scope of work involves the rehabilitation and modification of the existing electrical system, including the re-distribution of electrical loads within the site to align with the overall design intent and to ensure proper integration with the photovoltaic (PV) system. This shall include the modification, separation, diversion, and/or reconnection of existing electrical circuits as required by site conditions. Where necessary, the work shall cover the extension or alteration of existing cables, conduits, and sub-distribution boards to accommodate the revised load distribution and PV system interface. All works shall comply with applicable technical specifications, electrical codes, and safety standards. The scope shall also include the supply and installation of all necessary materials, accessories, supports, terminations, labeling, and testing, ensuring the system operates reliably and safely as a unified whole with the PV installation.	1	Job		
7.	Supply and installation of a solar panel enclosure of dimensions 40 l m x 30 w x 1.80h m, complete with access door. The enclosure shall be constructed using durable, weather-resistant materials suitable for outdoor use and shall ensure physical protection and restricted access to the solar panel array. The work shall include all required civil, structural, and mounting components, including supports, fasteners, anchoring systems, and finishes, to complete the installation as per site conditions and specifications.	1m	Job		



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8.	Total Amount in USD		
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Location 4: City 10

No.	Items	Quantity	Units	Price / unit	Total
1.	Supply, installation, testing, and commissioning of 20 kW 3-phase hybrid inverter-driven water pump system incorporating a Variable Frequency Drive (VFD) and dual MPPT inputs. The system shall be capable of operating on both solar and grid (or generator) power sources. It shall include all necessary components such as the 3phase hybrid inverter with integrated MPPT controllers, VFD, control panel, protection devices, sensors, and associated accessories to ensure full functionality and reliable operation. The complete system shall be installed and commissioned in accordance with the technical specifications, manufacturer's guidelines, and all applicable standards.	1	inverter		
2.	Supply, installation, connection, testing, and commissioning of 590 W monocrystalline solar PV modules with a minimum efficiency of 23%, including all necessary mounting structures, DC wiring, connectors (MC4 or equivalent), cable management accessories, and all other required components. Modules shall be from approved manufacturers or equivalents complying with relevant IEC/ISO standards.	34	Panel		
3.	Supply, installation, and connection of DC combiner box complete with surge protection devices (SPDs), DC-rated fuses, and DC disconnect switches, suitable for photovoltaic (PV) systems. Includes all necessary accessories, internal wiring, cable terminations, labeling, and mounting hardware, as per specifications.	1	System		



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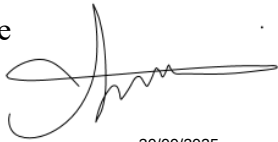
4.	Installation of accessories shall include, but not be limited to, nuts, bolts, clips, cable clamps, electrical tape, trunking, and all other necessary fastening and support materials required to complete the installation as per specifications.	1	System		
5.	Supply, installation, and connection of the Lightning Protection System and earthing: Earthing shall be carried out to ensure a resistance of less than 1 ohm. For safety purposes, it shall be ensured during installation that the earthing system is capable of safely conducting leakage currents. The lightning protection system shall have a resistance of less than 5 ohms.	1	System		
6.	Rehabilitation and Modification of Electrical System (with PV System Integration): The scope of work involves the rehabilitation and modification of the existing electrical system, including the re-distribution of electrical loads within the site to align with the overall design intent and to ensure proper integration with the photovoltaic (PV) system. This shall include the modification, separation, diversion, and/or reconnection of existing electrical circuits as required by site conditions. Where necessary, the work shall cover the extension or alteration of existing cables, conduits, and sub-distribution boards to accommodate the revised load distribution and PV system interface. All works shall comply with applicable technical specifications, electrical codes, and safety standards. The scope shall also include the supply and installation of all necessary materials, accessories, supports, terminations, labeling, and testing, ensuring the system operates reliably and safely as a unified whole with the PV installation.	1	Job		



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7.	Supply and installation of a solar panel enclosure of dimensions 40 l m x 30 w x 1.80h m, complete with access door. The enclosure shall be constructed using durable, weather-resistant materials suitable for outdoor use and shall ensure physical protection and restricted access to the solar panel array. The work shall include all required civil, structural, and mounting components, including support, fasteners, anchoring systems, and finishes, to complete the installation as per site conditions and specifications.	1m	Job		
9.	Total Amount in USD				

Project Proposal Vender	
Locations	Total cost in USA
1 Albahar	
2 Magareef	
3 Alhafair	
4 City 10	

Prepared BY	Reviewed and approved by
WASH Officer	WASH Coordinator
Name: Ahmed Almogtaba Hatim Date and signature 28-09-2025 	Name: Jalal Ali Date and signature  30/09/2025