

## Medair Afghanistan LP-KBL-24-043 Request for Quotation

### **LP-KBL-24-043 – Solar System: Supply and installation of solar system, including cables, and accessories for solar supporting system in Kandahari Chowk BHC, Spin Boldak District, Kandahar Province & 2 Solar Systems in Zartala and Talani BHC Clinics of Uruzgan Province.**

Medair within its humanitarian programs implemented in Afghanistan wishes to invite qualified Suppliers to submit quotations for the supply & installation to be undertaken within Medair's supported Kandahari Chowk BHC location in Spin Boldak district, Kandahar Province and Installation of Solar System in 2 BHC Clinics in Zartals and Talani Areas of Uruzgan Province . Medair plans to enter into agreement with successful Supplier(s) identified through a competitive and transparent procurement process.

The required Solar System of; supply and installation of solar system is to take place in: BHC in Spin Boldak District, Kandahar Province ;Talani of Trinkot and Zartala of Dehrawood District in Uruzgan Province.

Considerations will be given to Suppliers who have experience in undertaking similar supply & installation of solar system, within Kandahar and Uruzgan Provinces and have a good understanding of Spin Boldak District & Talani, and Zartala.

The Supplier(s) shall be required to supply all Solar system accessories and cables and undertake the complete supplies system of; (Supply installation of the solar system, including cables, and accessories for solar supporting system) under the supervision of Medair's technical staff.

Interested Suppliers should submit detailed quotations, including required documentation, no later than **8th Sep 2024, by email**, with the subject heading; "RFQ-KBL-24-043 - Request for Quotation for supply and installation of solar system is to take place in: BHC in Spin Boldak District, Kandahar Province; Talani of Trinkot and Zartala of Dehrawood Districts in Uruzgan Province." **to [tenders-afg@medair.org](mailto:tenders-afg@medair.org)**

For any inquiries related to this quotation, please send an email to **[tenders-afg@medair.org](mailto:tenders-afg@medair.org)** , before 5th Sep 2024.

**Medair intends to sign a Service Contract with a successful bidder by 15th Sep 2024!**

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**Please read the general Terms & Conditions document for more requirements and information!**

Specific rules and Conditions for this procurement:

- Any participating Supplier must be legally licensed and registered in Afghanistan !
- Any quotation submitted after the dead line will not be considered!
- This is not a tender and no open tender meeting will be held. Medair will contact only short-listed Supplier
- Medair will reserve its right to choose a Supplier not depending only the lowest price, the quality and reliability will be considered too.
- For this procurement « best value for money » is the main selection criteria
- According to requirements Medair reserves the right to accept or reject any or quotation or cancel the process without any obligation to inform the affected interested Supplier about reasoning for acceptance, rejection or cancellation.
- Medair reserves the right to split the offer into different lots and to award contracts to multiple Supplier.
- All Medair and its Donor terms, conditions and policies must be accepted by the Supplier.
- Medair will not cover any cost related to the creation and submission of the Quotation, regardless the result.
- Medair expects Supplier with whom it partners to follow ethical business practices and be socially accountable. Those expectations are set out in Medair's Code of Ethics, which, along with the associated policies available on Medair's website at <https://www.medair.org/accountability/>, and are subject to periodic updates.
- The quote shall be minimum valid for 90 days after submission date
- Monthly payment 30 days after Invoice
- Payment by cash or bank payment, bank payment is preferred (for cash payment Medair will deduct 4% commission fee from the payable amount)
- Medair is obliged by the Government of Afghanistan to pay income TAX on behalf of supplier if a single invoice exceeds 50 000 AFA or if the total amount spend with one Contractor within one calendar year will extend 50 000 AFA.



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For all Supplier who are registered and have a TIN and business license, Medair will submit on the Supplier's behalf 2% tax to the Government.

For all Supplier who aren't registered and don't have a TIN and business license, Medair will submit on the Supplier's behalf 7% tax to the Government.

### Supplier Details

1. Company Name \_\_\_\_\_
2. Company Authorized Representative Name \_\_\_\_\_
3. Tazkera number \_\_\_\_\_
4. Business license number and expiry date \_\_\_\_\_
5. Company Specialization \_\_\_\_\_
6. Business Address  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Contact Numbers \_\_\_\_\_
8. E-mail Address \_\_\_\_\_

I certify that I have read and understood the Medair Terms & Condition and the Medair Code of Ethics. I further certify that the above-mentioned company has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, any Contracts.

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature and Stamp: \_\_\_\_\_

### Documents to submit

- Signed and stamped Complete RFQ document.
- Signed and stamped terms and condition document
- Supplier Registration Form duly completed, signed, and stamped.
- Copy of Valid Business License for operation in Afghanistan
- Copy of Tax Identification Number (TIN) Certificate / Tax card
- Evidence of tax payments in 2023 to the Tax Office in Afghanistan
- Personnel national ID document of the Contractor and company representative
- Company profile
- **Material catalog**
- **Company registration Certificates**

### Please fill in the information and tables below

#### Important Note!

N°	Item Description	Qty	Unit	Price/unit in AFN	Total cost in AFN
1	<b>Solar Panels:</b> test,comissioning PV modules provided are to be of identical make and model and must be from a recognized Tier 1 module	16	PCS		

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	<p>manufacturer or equivalent and have the following specification:</p> <ul style="list-style-type: none"> <li>- PV modules must be composed of silicon cells in mono-or poly-crystalline. Other technologies such as Silicon amorphous, multi-junction in thin layers or polymers are not accepted.</li> <li>- PV modules Must conform to (But Not Limited) to the: CE, IEC 61215/ 61730/ 61701/62716, TUV, ISO, UL certificates or equivalent standards. mono-crystal and with similar standard for the poly-crystal.</li> <li>- Panel capacity for each module should not less than <math>\geq 550\text{Wp}</math> under STC.</li> <li>- Positive power tolerance should be <math>\pm 3\%</math> or 0-5 Watt.</li> <li>- The PV module must design with more than 20 % conversion efficiency under STC.</li> <li>- Data sheet of PV module that contains the P-V &amp; I-V Curves, all electrical and mechanical Data, Dimensions, Module area must be provided by bidder.</li> <li>- operating temperature range between <math>-40^{\circ}\text{C}</math> to <math>85^{\circ}\text{C}</math>.</li> <li>- Temperature Characteristics of each module should be less than or equal :  <math>P_{\text{max}}: \leq -0.34\% / ^{\circ}\text{C}</math>    <math>V_{\text{OC}}: \leq -0.26\% / ^{\circ}\text{C}</math></li> <li>- Nominal operating cell temperature (NOCT): <math>45 \pm 2^{\circ}\text{C}</math>.</li> <li>- The operating voltage of proposed modules should not be less than 1500VDC.</li> <li>- Junction box of IP 68 and heat-resistance bypass diodes.</li> <li>- The connections in the PV module junction box must clearly indicate the positive and negative and The effect of weather not erased it.</li> <li>- Max Series Fuse Rating 25A.</li> <li>- Each module must be clearly and permanently labelled with an indication of the following:  the manufacturer's name or model number, the serial number, the maximum system voltage, peak power (Wp, tolerance +/-), current and voltage at the maximum power point (MPP), open circuit voltage and short-circuit current.</li> <li>- Liner Warranty on the PV modules: Minimum of 25 years on the performance and components. Minimum of 90% of the nominal output</li> </ul>				
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	<p>guaranteed within 12 years and minimum of 80% guaranteed within 25 years.</p> <ul style="list-style-type: none"> <li>- Modules frame must be in a position to resist of outdoor exposure without appreciable sign of corrosion or of fatigue.</li> <li>- The tenderer must provide in his tender document, certificates of tests of the equipment, datasheets and Authorization certificate by the manufacturer.</li> </ul>				
2	<p><b>Supply, test and commissioning battery bank (200Ah, 12V).</b></p> <p>Each battery should meet this following but not limited:</p> <ul style="list-style-type: none"> <li>- The type of batteries shall be: <ul style="list-style-type: none"> <li>- Maintenance free.</li> <li>- Valve regulated lead acid (VRLA).</li> <li>- Tabular OPZV Type- Deep cycle.</li> <li>- Monoblock cells (2V/cell).</li> </ul> </li> <li>- Each battery should be design with: <ul style="list-style-type: none"> <li>- Rated capacity of battery @C10 at 25C®</li> <li>- At 80% DoD &amp; 25C cycle life not less than 350</li> <li>- expectancy life of batteries should be equal or more than 5 years @ 25C.</li> <li>- The self-discharge rate of the battery must be 2% or less.</li> <li>- The battery must meet the European standard specifications.</li> <li>- The bidder should attach specification, datasheets, temp curve, life cycle curve and Authorization certificate by the manufacturer.</li> </ul> </li> </ul> <p>Charge/discharge efficiency 50–95%</p> <p>Self-discharge rate 3%–20%/month</p> <p>Cycle durability &lt;350 cycles</p> <p>Nominal cell voltage 2.1 V</p> <p>Charge temperature interval Min. –35°C, max. 45°C</p>	12			

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3	<p><b>test, and commissioning of , pure sine wave inverter , 230 V, 60Hz, 10kW</b> as per technical specifications and drawings and shall meet the following specifications as minimum:</p> <ul style="list-style-type: none"> <li>- Compatible with many well-known brands of lithium-ion battery and all lead-acid batteries</li> <li>- Total Harmonic Distortion (THD) shall be less than 3%;</li> <li>- Operating temp.: -25 to +65°C Humidity (non-condensing): max. 95%</li> <li>- Designed with high maximum efficiency 95.8%</li> <li>- Includes two free programmable relays per unit to enable operating generator when battery voltage reach preset point or load shedding or other use and timers to enable daily, weekly, or monthly functions.</li> <li>- High start-up power: Needed to start high inrush loads.</li> <li>- Shall be certified to meet CE and UL marking and complaint with IEC 62109;</li> <li>- The device should be integrated with LED indicators and LCD display;</li> <li>- It shall allow adjustment of battery voltage and charging current;</li> </ul> <p>For use with self-consumption systems, battery backup systems and off-grid systems</p> <ul style="list-style-type: none"> <li>• Modular and extendable</li> <li>- Diesel generator management Function is important</li> <li>- The charging function of the inverter/charger shall include battery charging functionality, and shall be wired in ways that make use of the inverter's battery charging functionality, installation includes either mains power or a diesel generator;</li> <li>- Protections required: AC overload and load short circuit, overvoltage, overheating and battery reverse polarity;</li> <li>- Should allowing to connected with remote monitoring device</li> <li>- Data Networking: LAN and WIF</li> <li>-Protection class as per IEC 62103 I</li> <li>-Climatic category as per IEC 60721 3K6</li> <li>-Degree of protection according to IEC 60529 IP54</li> </ul>	1			
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	-Overvoltage category as per IEC 60664-1 III -Product warranty shall be 5 years.				
4	<b>1.0 sq. mm PVC Isulated single core cable:</b> Diameter=(1.0) sq. mm,PVC isulated signle core cable, made of 100 % copper, bundle of 100 m with two different PVC colors.	1.5	Bundle		
5	<b>1.5 sq. mm PVC Isulated single core cable:</b> Diameter=(1.5) sq. mm,PVC isulated signle core cable, made of 100 % copper, bundle of 100 m with two different PVC colors.	1	Bundle		
6	<b>MC6 (6mm) wire (cable),</b> made of 100% copper	20	M		
7	<b>Supply and of PVC Cable Tray of (1"):</b> (1") inches, PVC , Cable Tray for installation of cable on wall or ceiling (Rectangular type).	200	M		
8	<b>Supply and of Wiring Nuts:</b> Wiring nuts should be water proof for connetion of two wire conductor.	1	Box		
9	<b>Stainless Steel Concrete Nails of (1"):</b> Stainless steel of S.S concrete nails of (1") for holde of cable tray on the wall.	3	Box		
10	<b>White Normal Bulb Holder:</b> Vibrat Enterprise E27 Round Plastic Base Screw Light Bulb Lamp Socket Holder Plastic Light Socket	15	PCS		
11	<b>Wire Tape White and Black:</b> Wire tape white and black, with high quility (OSAKA).	1	Bundle		
12	<b>1 Gang One Way Switch:</b> 1 Gang one way switch good quility material.	15	PCS		
13	<b>Socket for AC (Air Conditioner Machine)</b>	1	PCS		
14	<b>Socket (1+5)</b>	1	PCS		
15	<b>Duoble Pole Change Over Switches (32 Amp, 240 Watts) :</b> Duoble Pole Change Over Switches (32 Amp, 240 Watts), It should be good quility and high sustaibility.	1	PCS		
16	<b>Fix-stand for Solar Panels:</b> Fix-stand for the Solar Panels to be considered for the whole system (16	1	LS		



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	panels) and the frame's angle iron should consist of Jag according to the attached drawing.				
17	<b>LED Bulb of 24 Watt in White Color:</b> LET Bulb of 24 watt white in color and good quality material.	15	PCS		
18	<b>LED Light of 50 watt similar to (LEDME company) :</b> KASHAF LED of 50 watt made of good quality material.	8	PCS		
19	<b>Fuse Box with (10, 8, 6 Am fuse). Voltmeter</b>	1	PCS		
20	<b>Ground rod with copper Cable:</b> Ground rod with copper Cable as per requirement of above inverter.	1	LS		
21	<b>Transportation and Installation of All Above Accessories:</b> Transportation and installation of all material in Kandahar, Kandahari Chawk BHC. Which is located in Boldak district.	1	LS		
<b>Total cost in AFN</b>					
<b>Business with Tax number and registration withholding tax -2%</b>					
<b>Business without Tax number and registration withholding tax -7%</b>					
<b>Payable total in AFN</b>					

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**Bill of Quantity for the 2 BHC Clinics in Zartala Dehrawood District and Talani of Tarinkot District located in Uruzgan Province.**

N°	Item Description	Qty	Unit	Price/unit in AFN	Total cost in AFN
1	Battery 12v, 200 Ah, Good Quality - Tubular	4	Pcs		
2	Smart Inverter 5kva	2	Pcs		
3	Solar Pannel, mono crystalline, 400 WATTs	8	Pcs		
4	Soalr Pannels Frame, as per solar panels size	2	Each		
5	Room Bulbs plus holders (energy saver - 25Watt/light)	30	Each		
6	security bulb, 100 Watt/light	8	Each		
7	sockets for Charging gadgets like Thuraya and phones (5X25Wat)	10	Each		
8	Solar Cable, 6 mm	60	M		
9	Installation Material	2	LumpSum		
10	Installation of the solar Panels	2	Areas		
11	Transportation costs for both Places	2	Places		
<b>Total cost in AFN</b>					
<b>Business with Tax number and registration withholding tax -2%</b>					
<b>Business without Tax number and registration withholding tax -7%</b>					
<b>Payable total in AFN</b>					

**Medair Afghanistan**  
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**Supplier Remarks**

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**Service Providers Terms and Conditions**

1. Validity of the offer (3 month minimum) 

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2. Terms of delivery 

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3. Number of days to deliver to Medair 

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4. Payment Mode (Bank, Cheque) 

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**Note: No Cash Payment is Applicable!**