



# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

### **RFX-2024-0000474 – Solar Powered: New Bore well & Protection, Solar Pump System, Boundary wall for solar panels, Elevated Water Tank, Gate & Air Valve Box, Main & Distribution lines, Stand Tap, in Hassanzai Nahr-e-Kariz village Zhirai District in Kandahar 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 Kandahar Hassan Zai Nahr-e-Kariz village Zhirai district, Kandahar Province. Medair plans to enter into agreement with successful Supplier(s) identified through a competitive and transparent procurement process.

The required Solar Powered Water supply of; Solar water supply, Installation, & construction work to take place in: Hassanzai Nahr-e-Kariz village Zhriai District, Kandahar Province.

Considerations will be given to Suppliers who have experience in undertaking similar Solar Power Supply & installation of solar system & construction work for distribution of pipes lines from main Pipe, within the region and have a good understanding of Zhriai District.

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

Interested Suppliers should submit detailed quotations, including required documentation, no later than **30th Sep 2024, by email**, with the subject heading: "RFX-KBL-2024-0000474 - Request for Quotation for Solar Powered water supply & Construction Works –, Solar Pump System, Boundary wall for solar panels, Elevated water tank, Gate & air Valve Box, Main & Distribution lines stand tap Zhirai District, Kandahar 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 30th Sep 2024.





# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

**Medair intends to sign a Purchase Contract with a successful bidder by 16th Oct 2024!**

**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
- Payment 30 days after Invoice
- Payment by Cheque or bank payment, bank payment is preferred.
- 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.





# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

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.

- **Government regulations require Medair to upload all relevant information, including copies of signed contracts, to the government database known as TAIS. The Contractor agrees with this requirement.**

### Supplier Details

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





# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

I certify that I have read and understood the Medair Terms & Conditions 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.

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

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

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

### Documents to submit

- Signed and stamped Complete RFQ document. **(page 1-22)**
- Detailed Project Work Plan (Use Project Planning tools) The Expected period for this project is Max 5 months. **“Highly important”**
- Signed and stamped Terms and Conditions.
- Signed and Stamped Catalogue of sample materials to be used for the project if any.
- 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
- CV/ Profiles of Technical Staff to undertake the Project.
- Company profile
- Evidence of similar Supply of Water, and construction work/ undertaken by the company (evidence, offer letters, past contracts, reference)
- **Material catalog in any**



# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

Please fill in the information and tables below

### 1. Hassanzai Nahr-e-Kariz village Zhirai District in Kandahar Province.

**REQUESTED FOR QUATION (BOQ) for: Solar supply waterpower project.**

Please indicate your unit price and total price on each material item listed below.

Medair may request for Physical samples for verification form short listed suppliers.

S/ No شماره	Descriptionتشریحات	Unitواحد	Quantityمقدار	Cost/Unit (Afs)قیمت فی واحد	Total Costقیمت مجموعی	Remarksملاحظات
<b>A</b>	<b>BOQ for New Bore well</b>					
<b>1</b>	Well drilling with Percussion machine diameter (12-16") depends on soil texture and Collecting sample of each hydrogeological formation. برمه کاری چاه توسط ماشین کوبه پی به قطر (12-16 انچ) در هر نوع طبقات وهمچنان جمع آوری نمونه طبقات هاییدروجیولوجیکی	<b>M</b>	<b>150</b>			





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

2	Supply and Installation of PVC casing pipe class -D, dia.8", (length will be 4m and weight will 40kg per rod,) تهیه و نصب فلترپی وی سی از نوع کلاس (D) قطر 8 انچ . فی خاده ۴ متره و وزن یک خاده باید ۴۰ کلو گرام باشد	M	112			
3	Class-D. 8 inch dia. Total area for filter pipe PVC Supply and installation of Filter pipe more than 25% of total area. (length will be 4m and weight will openings should not be 25 rod 40kg per تهیه و نصب فلترپی وی سی از نوع کلاس (D) قطر 8 انچ فیصدی مساحت مساوات فلتر از 25 فیصد مساحت مجموعی تجاوز نکند. خاده 4 متری و وزن هر خاده باید 40 کلو گرام باشد.	M	48			
4	Gravel Packing from sorted gravel round washed gravel the size of gravel should be determind after well drilling accordding to the sample of starta . که اندازه دانه های جغل پرکاری جغل در اطراف پایپ فلتر از نوع سورت شده بوده جغل مدور لشم دریائی و شسته .نظر به ترکیب طبقات بعد از حفاری تعیین میگردد	Cu.M	8			
5	Back filling for casing pipe should be clay soil without gravel stone پرکاری عقب کیسنگ از خاک بدون ریگ و جغل باشد	Cu.M	3			
6	Prepareing the technical report of well drilling, preparing well strata technical data table and making design of well according to the taken strata (Location of Filter, Cassing and pump instalation depth ) Under supervission of PRRD representative. مطابق جدول قبلاً ارسال شده ، تحت نظارت نماینده ریاست احیا و انکشاف دهات، تهیه راپور تخنیکی	LS	1			
7	Execution of water quality tests (physical, chemical, biological) done by approved lab, alongside test Arsinic and another important test in water, this test should be aapproved by PRRD. اب مطابق جدول قبلاً ارسال شده ، تحت نظارت نماینده ریاست احیا و اجرا نمودن تست بالای اب . انکشاف دهات	LS	1			
8	Pump test for determination of discharge of well and taking sample of water for quality test after water cleaning Under supervission of MEDAIR and PRRD representative. اجرای	Hours	10			





each life matters

Medair Afghanistan

**RFX-2024-0000474 Request for Quotation:**  
**Construction of Solar-Powered Water Supply**

	دیسچارج، سطح ستاتیکی آب، سطح دینامیکی، ستون آب ( پمپ تست بخاطر دریافت پارامتر های درجیولوجیکی برای تعیین کیفیت آن تحت درچاه و احیائی مجدد سطح آب) چاه و همچنان نمونه گیری آب بعد از صاف شدن مکمل نظارت نماینده دفتر مدیر و ریاست احیاء وانکشاف دهات					
<b>Sub-Total Cost for New Bore well (Afs)</b>						
<b>B</b>	<b>BoQ for Well Protection</b>					
<b>1</b>	Excavation in ground type3 گندکاری در زمین درجه 3	<b>Cu.M</b>	<b>2.0</b>			
<b>2</b>	Stone Pitching under PCC work نصب بولدرها زیر کانکریت بدون سیخ	<b>Cu.M</b>	<b>0.9</b>			
<b>3</b>	Plain Cement Concrete (PCC), (M150 kg/cm2) (1:2:4) کانکریت بدون سیخ با مارک مخلوطی (1:2:4)	<b>Cu.M</b>	<b>1.1</b>			
<b>4</b>	Kilned brick masonry with mortar 1:4 (cement - sand) . 1:4 مصالحه خشت کاری پخته به مخلوط) . (ریگ : سمنت)	<b>Cu.M</b>	<b>1.4</b>			
<b>5</b>	Plaster work with cement-sand M:1:5 پلسترکاری با مخلوط سمنت و ریگ مارک مخلوط مصالحه	<b>Sq.M</b>	<b>11.8</b>			
<b>6</b>	Plastic painting insidside & outside with 100% emulsion for well protectin box رنگمالی طرف داخل و خارج دیوار های بکس محافظتی چاه	<b>Sq.M</b>	<b>11.8</b>			
<b>7</b>	Supply and installation of iron gate for well top manhole (iron sheet with 3mm thick) with all required activities and as per drawing. دروازه آهنی برای منهل ذخیره که ضخامت آهن چادر آن سه ملی متر باشد	<b>LS</b>	<b>1.0</b>			
<b>Sub-Total Cost for Well Protection (Afs)</b>						
<b>C</b>	<b>BoQ for Solar Pump System to Water Reservoir</b>					





each life matters

Medair Afghanistan

**RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply**

1	<p>Supply and installation of Submersible pump with inverter, and control box in stainless steel.(Solar water pump German or European standard SIEMENS SINAMICSV20 Modified as HYBRID Solar pump inverter (Siemens AG, Frauenauracher Str. 80, DE-91056 Erlangen).or equivalent</p> <p><b>Pump:SP 7-27 N:</b> Rated power - P1: <b>4.497</b> Kw, (3 x 380 - 440)V, Flow: <b>7.858</b> m<sup>3</sup>/h Total head: 105m, Materials: Pump: Stainless steel, Electrical data: Motor type: <b>MS4000</b>, Applic. motor: NEMA, Rated power - P2: <b>4</b> kW Power (P2) required by pump:<b>4</b> kW, Mains frequency: 50 Hz, Rated voltage: <b>3 x 380-400-415 V</b> Total water production per year: <b>26800</b> m<sup>3</sup> Avg. water production per day: <b>73.5</b> m<sup>3</sup>/day Average water production per watt per day: <b>7.2 l/Wp/day</b> Submersible pump system including controller with DataModule, motor and pump سولر ساخت کشور جرمنی و یا ستندرد اروپایی باشد پمپ</p>	No	1.0			
2	<p>Supply and installation Solar panels (540 - 570)watt (GF (540 - 570) watt, LC 49.2V,LINUO Made in Germany (Solar Panels) 540 -570 watt or Equivalent in below specification and should German made or Eroupian Standard) ستندرد صفحه سولر از نوع سولر ساخت جرمنی و یا اروپایی که دارای مشخصات داده شده باشد</p> <p>Range of ambient temperature: -40 .. 85 °C Electrical data: Maximum power point voltage: 41.62 V Open circuit voltage: 49.55 V Max power point current: 12.98 A Module shortcut current: 13.89 A Maximum power output: (540 - 570) W Solar module type: POLYCRYSTALLINE CE certificate for monocrystalline and monocrystalline, ISO 9001:2007 Certificate, DIN EN certificate, Efficiency for Monocrystalline 18%-20%, Efficiency for Polycrystalline 15%-18%,</p>	No	20.0			





*each life matters*

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

	Performance to 10 years (min 90% power output), Performance to 20 years (min 80% power output), Visible label on solar panel with technical specification					
3	IO50 Switch box Meric باکس برای انورتر	Set	1.0			
4	Supply and installation of Solar panels stand steel, (25 to 45) deg, Large (panels support structure) stand should made of steel tube of 100mm*100mm with thickness of 3mm, and steel tube 50mm*100mm thickness of 3mm and L angle of 75mm with a thickness of 3mm. انتقال و نصب پایه سولر پنل	Fix Stand	1.0			
5	Cable splice kit 2.5-6 mm <sup>2</sup>	Set	2.0			
6	Submercible drop cable (4)mm <sup>2</sup> from Controlar to solar pump کابل برق از کنترولر الی پمپ	M	140.0			
7	Power cable (1*10)mm <sup>2</sup> from solar panels to inverter کابل برق به قطر (۱*۱۰)	M	80.0			
8	Power cable (2*1.5) for float switch کابل به قطر دی ۱.۵*۲ برای فلات سویچ	M	25.0			
9	Electical conduit pipe for external power cables	M	100.0			
10	Supply and installation of Wire tire white and black	PKT	2.0			
11	Supply and installation of complete Ground system rod with copper Cable سیستم آرتنگ	Set	1.0			
12	Supply and installation of Safty rope for holding of solar pump with the dia of 12mm ریسمان پلاستیکی برای واتر پمپ	M	250.0			
13	Supply and installation of Float switch MS1	Set	1.0			
14	Dry-running switch for submersible pumps Sensor with required tools	Set	1.0			





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

15	Power Drop cable, RD TML-B 2x1.5mm <sup>2</sup> Cable for dry running protection	M	130.0			
16	Supply and installation for pipe Paddle flange diameter 2" (clip on the top of the well to hold up the riser main pipe) چاه کلیپ برای محکم نمودن پایپ	No	1.0			
17	Supply and installation of (good quality non return valve Dia =1 1/2" (Inch) for riser main pipe in pump house, best quality with all related fittings نیم انچ تمبه والو به قطر یک	No	1.0			
<b>Sub-Total Cost for Solar panels and Solar pump (Afs)</b>						
<b>D</b>	<b>BoQ for Boundary wall of Solar Panels</b>					
1	Excavation for reservoir in ground type 3-4 کنندن کاری در زمین قسم سوم الی چهارم	Cu.M	52.4			
2	Soil for back filling with proper compaction as per drawing پرکاری خاک معه تپک کار مطابق نقشه	Cu.M	20.0			
3	Stone masonry for boundary wall and frame's foundation protection with cement- sand mortar M:1:5 سنگکاری با مصالحه سمنت وریگ مارک مخلوط	Cu.M	52.5			
4	Plain Cement Concrete with required frame work (Shuttering) (PCC), M150 kg/cm <sup>2</sup> (1:2:4) کانکریت بدون سیخ با مارک مخلوطی	Cu.M	12.8			
5	Boulder Stone# 05 pitching work under PCC work	Cu.M	15.9			
6	Kilned brick masonry with mortar 1:4 (cement - sand) . مصالحه خشت کاری پخته به مخلوط (ریگ : سمنت)	Cu.M	39.1			
7	Plaster work with cement-sand M:1:5 پلسترکاری با مخلوط سمنت وریگ مارک مخلوط مصالحه	Sq.M	336.4			
8	Pointing for outside and inside of Boundry wall with mortar 1:3 (cement -sand). M: 1:3 هنگاف کاری بیرونی وداخلی با مخلوط سمنت وریگ مارک مخلوط مصالحه	Sq.M	81.9			





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

9	Plastic painting insidside & outside with 100% emulsion های رنگمالي طرف داخل وخارج ديوار های احاطه سولر پنيل توسط رنگ پلاستيکی	Sq.M	336.4			
10	Polishing painting of stone masonry with plastic painting of pointing work (100% emulsion).	Sq.M	81.9			
11	including steel bars and (1:1.5:3) Reinforced Cement Concrete (RCC), M 200kg/cm2 .drawings shuttering (form work) according to the کانکريت سيخدار با مارک مخلوطه M200 (1:1.5:3) همراي قالب بندی و سيخ لازمہ که در نقشه نشان داده شده است	Cu.M	6.4			
12	Supply and installation of metallic gate by 20 Gauge Russian GI iron sheet with all requirements (complete) according to drawing . دروازه آهني برای احاطه سولر پنيل ها که ضخامت . گيج روسی و مطابق نقشه باشد تختہ آن 20	Sq.M	5.0			
13	Supply and installation of metallic door by 20 Gauge Russian GI iron sheet with all requirements (complete) according to drawing . دروازه آهني برای اطاق پنيل ها که ضخامت تختہ آن . گيج روسی و مطابق نقشه باشد 20	Sq.M	2.0			
14	Supply and installation of metallic window with glass and screen with all requirements (complete) according to drawing . کلکين آهني برای اطاق مطابق نقشه باشد.	Sq.M	2.5			
15	Supply and installation of Concertina wire with required stands on boundary wall of solar panel (complete) according to the attached drawing تهیه ونصب سيم خار دار به پايه های لازمہ بالائی ديوار احاطه مطابق نقشه	M	80.0			
<b>Sub-Total Cost for Boundary wall of solar panels (Afs)</b>						
<b>E</b>	<b>BoQ for 30Cu.M Elevated Water Tank (Reservoir)</b>					
1	Excavation for reservoir in ground type# (05) کندن کاری درزمین قسم پنجم	Cu.M	82.9			





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

2	Back filling with soil and excavated material with proper compaction as per drawing. پرکاری خاک معه تپک کار مطابق نقشه.	Cu.M	45.4			
3	Plain Cement Concrete (PCC), M150.(1:2:4)	Cu.M	7.6			
4	including steel bars and (1:1.5:3) Reinforced Cement Concrete (RCC), M 200kg/cm2 drawings shuttering (form work) according to the کانکریت سیخدار با مارک مخلوطه M200 (1:1.5:3) همراهی قالب بندی و سیخ لازمه که در نقشه نشان داده شده است	Cu.M	68.9			
5	Water stopper 24cm best quality	M	17.0			
6	Stone masonry work with cement- sand mortar Mix(1:5) سنگکاری با مصالحه سمنت وریگ مکس (1:5) مخلوط	Cu.M	11.6			
7	Boulder Stone# 05 pitching work under PCC work	Cu.M	15.2			
8	Plaster work with cement-sand + padlow powder M: 1:3 for inside of Reservoir. M: 1:3. پلسترکاری داخلی ذخیره با پودر ضد نفوذ آب	Sq.M	94.9			
9	Plaster work with cement-sand Mix: 1:3 for external wall.M: 1:3. بیرونی پلسترکاری M: 1:3	Sq.M	248.5			
10	Isogam insulation on roof of reservoir. ایزوگام برای پوشش ذخیره.	Sq.M	25.6			
11	Installation of iron gate for reservoir manhole (iron sheet of 3mm) with all required activities and as per drawing. دروازه آهنی برای منهول ذخیره با ضخامت آهن چادر سه ملی مطابق به نقشه	No	1.0			
12	Installation of 1-1/2 inch Galvanised Iron Ladder 2mm for reservoir with all required activities according to drawings زیننه از پایپ جستی ملمع شده بقطر ۱.۵ انچ نظر به نقشه تهیه شده.	M	2.0			





*each life matters*

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

13	Supply and installation of 1-1/2 Galvanised Iron Ladder 2mm for reservoir with all required activites and as per drawings. زینه از پایپ جستی ملمع شده بقطر ۱.۵ انچ.	M	11.5			
14	Supply and installation of hand rail with Iron Steel Pipe thickness of 2mm for reservoir with all required activites with painting of two layer according to drawings. کتاره از پایپ جستی ملمع شده بقطر 1.5 انچ	M	21.0			
15	Kilned Brick masonry with mortar for guard room under water resevior 1:4 (cement - sand) (ریگ : سمند) و خشت باید سانچه و پخته درجه اول باشد 1:4 مصالحه خشت کاری پخته به مخلوط	Cu.M	12.8			
16	Plastic painting work of Elevated Water Tank and guard room with 100% emulsion رنگمالي طرف ذخیره ارتفاعی و اطاق چوکیدار توسط رنگ پلاستیکی صد فیصد	M2	248.5			
17	Supply and installation of Galvanized Iron pipe for the out let pipe, Internal Dia: 3(1/4)" پایپ آهنی ملمع شده جستی بقطر	M	26.02			
18	Supply and installation of good qualtiy Air valve , Internal Dia.3(1/4)" وال هوا کش اتومات,	No	2.0			
19	Supply and installation of Galvanized 3" Iron pipe for the over flow & washing, Internal Dia: 3(1/2)" پایپ آهنی ملمع شده جستی بقطر	M	18.0			
20	Supply and installation of Galvanized 2" Iron pipe for the vintilation (Airlet), Internal Dia: 2" پایپ آهنی ملمع شده جستی بقطر	M	1.5			
21	Supply and installation of Galvanized Iron pipe for inlet, Internal Dia: 1(1/2)" پایپ آهنی ملمع جستی بقطر داخلي	M	16.0			
22	Supply and installation of Galvanized Iron Elbow for Airlet (Ventilation) pipe Dia: 2" زانو خم آهنی ملمع جستی بقطر	No	2.0			





*each life matters*

Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

23	Supply and installation of good quality Gate valve Dia= 3(1/4)" for outlete (distribution pipe), best quality (Burunji) گیت والو به قطر سه انچ	No	2.0			
24	Supply and installation of Galvanized Iron Elbow for outlet (Distribution) pipe Dia: 3(1/4)" زانو خم آهنی ملمع جستی بقطر	No	4.0			
25	Supply and installation of Galvanized Iron Elbow for washout and overflow pipe Dia: 3(1/2)" زانو خم آهنی ملمع جستی بقطر	No	2.0			
26	Supply and installation of Galvanized Iron Elbow for inlete pipe Dia: 1(1/2)" زانو خم آهنی ملمع جستی بقطر	No	2.0			
27	Supply and installation of Galvanized Iron Tee for wash out (Washing) and over flow Dia: 3(1/2)" زانو خم آهنی ملمع جستی بقطر	No	1.0			
28	Supply and installation of Galvanized Iron Socket, Dia: 3(1/4)" سامی آهنی ملمع جستی بقطر	No	4.0			
29	Supply and installation in washout pipe of Galvanized Iron Socket, Dia: 3(1/2)" سامی آهنی ملمع جستی بقطر	No	2.0			
30	Supply and installation of PE female adapter for distribution pipes 90*3(1.4)" اتصال ماده نوع پولی اینتلین	No	2.0			
31	Supply and installation of PE female adapter for Inlet pipe 1(1/2)"* 50 اتصال ماده نوع پولی اینتلین	No	1.0			
32	Supply and installation of End cup for the wash out pipe 3(1/2)" فلق برای پایپ شستشو	No	1			
33	Gutter with the size of (10x15) cm ناه فلزی به اندازه	M	13			
<b>Sub-Total Cost for 30 of Elevated Tank (Afs):</b>						





each life matters

Medair Afghanistan

**RFX-2024-0000474 Request for Quotation:**  
**Construction of Solar-Powered Water Supply**

<b>F</b>	<b>BoQ for 1 number Gate Valve and Air Valve Box</b>					
1	Excavaton in ground types 4 to 5 کندن کاری در زمین قسم چهارم الی پنجم	Cu.M	1.7			
2	Back filling with soil and excavated material with proper compaction. پرکاری خاک معه تپک کاری	Cu.M	0.5			
3	Reinforced Cement Concrete (RCC), M 200kg/cm2 including steel bars and shuttering according to the drawings. همراهی قالب بندی 1:1.5:3 کانکریت سیخدار با مارک مخلوطی	Cu.M	0.6			
4	Plaster work with cement-sand M: 1:3 . . پلسترکاری داخلی	Sq.M	4.0			
<b>Total Cost for 1 number Gate Valve Box</b>						
<b>No of Gate Valve Box</b>		No	7			
<b>Sub-Total Cost for 7 number Gate Valve Box</b>						
<b>G</b>	<b>BoQ for Main and Distribution lines (From Spring to Water Reservoir Water Tank to Stand Taps)</b>					
1	Excavation of pipe trench for distribution pipes laying in ground type 4 to 6 کندنکاری در زمین قسم چهارم الی ششم	Cu.M	1595.3			
2	Back filling of pipe trench by soft soil with installation of warning tapes as per drawing. پرکاری خاک و تپک کاری مع نصب نوار هشدار توسط خاک نرم مطابق نقشه	Cu.M	398.8			
3	Back filling of pipe trench by excavated material with proper compaction. پرکاری خاک معه تپک کاری	Cu.M	1196.4			
4	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN12.5 SDR13.6), Outside Diameter: 20 mm, wall thickness 1.8 mm ,weight 0.09kg/m, Best quality. با فشار قابل برداشت 12.5 بار پایپ پولی ایتیلین بقطر خارجی 20 ملی. Best quality.	M	1188.7			





*each life matters*

Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

5	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100, PN10, SDR17), Outside Diameter: 25 mm, wall thickness 1.8 mm ,weight 0.15kg/m, Best quality. با فشار قابل برداشت 16 بار پایپ پولی ایتیلین بقطر خارجی 25 ملی.م	M	677.2		
6	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 17), Outside Diameter: 32 mm, wall thickness 1.9 mm ,weight 0.187 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 32 ملی.م	M	814.4		
7	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 11), Outside Diameter: 40 mm, wall thickness 2.4 mm ,weight 0.295 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 40 ملی.م	M	236.9		
8	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 17), Outside Diameter: 50 mm, wall thickness 3 mm ,weight 0.453 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 50 ملی.م	M	416.2		
9	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 17), Outside Diameter: 63 mm, wall thickness 3.8 mm ,weight 0.721 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 63 ملی.م	M	244.8		
10	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 17), Outside Diameter: 75 mm, wall thickness 4.5 mm ,weight 1.02 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 75 ملی.م	M	458.4		
11	Supplying, installation, laying and fitting in place of High Density Polyethylene pipe (PE 100 PN 10 SDR 17), Outside Diameter: 90 mm, wall thickness 5.4 mm ,weight 1.45 kg/m, Best quality. با فشار قابل برداشت 10 بار پایپ پولی ایتیلین بقطر خارجی 90 ملی.م	M	948.5		
12	Supply and installation of Gate valve (Good Quality) Nominal Diameter = 3/4" for best quality به قطر گیت وال	No	43.0		
13	Supply and installation of Gate valve (Good Quality) Nominal Diameter = 1" for best quality به قطر گیت وال	No	10.0		
14	Supply and installation of Gate valve (Good Quality) Nominal Diameter = 3" for best quality به قطر گیت وال	No	1.0		





each life matters

Medair Afghanistan  
RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply

15	Supply and installation of Gate valve (Good Quality) Nominal Diameter = 2-1/2" for best quality به قطر گیت وال best quality	No	3.0		
16	Supply and installation of Gate valve (Good Quality) Nominal Diameter = 1-1/4" for best quality به قطر گیت وال best quality	No	3.0		
17	Supply and installation of Polyethylene Straight Coupler, diameter (90x90) mm وصل کننده مستقیم نوع پلی ایتیلین	No	16.0		
18	Supply and installation of Polyethylene Straight Coupler, diameter (75x75) mm وصل کننده مستقیم نوع پلی ایتیلین	No	7.0		
19	Supply and installation of Polyethylene Straight Coupler, diameter (63x63) mm وصل کننده مستقیم نوع پلی ایتیلین	No	3.0		
20	Supply and installation of Polyethylene Straight Coupler, diameter (50x50) mm وصل کننده مستقیم نوع پلی ایتیلین	No	4.0		
21	Supply and installation of Polyethylene Straight Coupler, diameter (40x40) mm وصل کننده مستقیم نوع پلی ایتیلین	No	1.0		
22	Supply and installation of Polyethylene Straight Coupler, diameter (32x32) mm وصل کننده مستقیم نوع پلی ایتیلین	No	3.0		
23	Supply and installation of Polyethylene Straight Coupler, diameter (25x25) mm وصل کننده مستقیم نوع پلی ایتیلین	No	1.0		
24	Supply and installation of Polyethylene Straight Coupler, diameter (20x20) mm وصل کننده مستقیم نوع پلی ایتیلین	No	1.0		
25	Supply and installation of Galvanized Iron Nipple, diameter 1" اشتت آهنی ملمع جست بقطر 1"	No	62.0		





each life matters

Medair Afghanistan  
RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply

26	Supply and installation of Galvanized Iron Nipple, diameter (3/4)" اشتت آهنی ملمع جست بقطر	No	14.0		
27	Supply and installation of Polyethylene female adapter (MTA), diameter (90 x3(1/2)")) ادپتر ماده (مؤنث) بقطر	No	2.0		
28	Supply and installation of Polyethylene female adapter (MTA), diameter (75 x (3)")) ادپتر ماده (مؤنث) بقطر	No	1.0		
29	Supply and installation of Polyethylene female adapter (MTA), diameter (63x2(1/2)")) ادپتر ماده (مؤنث) بقطر	No	1.0		
30	Supply and installation of Polyethylene female adapter (MTA), diameter (25 x (1)")) ادپتر ماده (مؤنث) بقطر	No	12.0		
31	Supply and installation of Polyethylene female adapter (MTA), diameter (20 x (3/4)")) ادپتر ماده (مؤنث) بقطر	No	62.0		
32	Supply and installation of Polyethylene Reducer, Size (90X75)mm وصل کننده بوتلی نوع پولی ایتیلین	No	2.0		
33	Supply and installation of Polyethylene Reducer, Size (75x63)mm وصل کننده بوتلی نوع پولی ایتیلین	No	1.0		
34	Supply and installation of Polyethylene Reducer, Size (75x50)mm وصل کننده بوتلی نوع پولی ایتیلین	No	2.0		
35	Supply and installation of Polyethylene Reducer, Size (63x50)mm وصل کننده بوتلی نوع پولی ایتیلین	No	3.0		
36	Supply and installation of Polyethylene Reducer, Size (50x40)mm وصل کننده بوتلی نوع پولی ایتیلین	No	5.0		





each life matters

Medair Afghanistan  
RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply

37	Supply and installation of Polyethylene Reducer, Size (50x32)mm وصل کننده بوتلی نوع پولی ایتیلین	No	3.0		
38	Supply and installation of Polyethylene Reducer, Size (40x32)mm وصل کننده بوتلی نوع پولی ایتیلین	No	5.0		
39	Supply and installation of Polyethylene Reducer, Size (40x25)mm وصل کننده بوتلی نوع پولی ایتیلین	No	1.0		
40	Supply and installation of Polyethylene Reducer, Size (32x25)mm وصل کننده بوتلی نوع پولی ایتیلین	No	10.0		
41	Supply and installation of Polyethylene Reducer, Size (32x20)mm وصل کننده بوتلی نوع پولی ایتیلین	No	3.0		
42	Supply and installation of Polyethylene Reducer, Size (25x20)mm وصل کننده بوتلی نوع پولی ایتیلین	No	16.0		
43	Supply and installation of Polyethylene Tee Reducer, Size (90x75x90)mm سه دهن بوتلی نوع پولی ایتیلین	No	1.0		
44	Supply and installation of Polyethylene Tee Reducer, Size (75x63x75)mm سه دهن بوتلی نوع پولی ایتیلین	No	2.0		
45	Supply and installation of Polyethylene Tee Reducer, Size (75x50x75)mm سه دهن بوتلی نوع پولی ایتیلین	No	2.0		
46	Supply and installation of Polyethylene Tee Reducer, Size (63x40x63)mm سه دهن بوتلی نوع پولی ایتیلین	No	2.0		





each life matters

Medair Afghanistan

**RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply**

47	Supply and installation of Polyethylene Tee Reducer, Size (50x40x50)mm سه دهن بوتلی نوع پولی ایتیلین	No	1.0		
48	Supply and installation of Polyethylene Tee Reducer, Size (50x32x50)mm سه دهن بوتلی نوع پولی ایتیلین	No	4.0		
49	Supply and installation of Polyethylene Tee Reducer, Size (40x25x40)mm سه دهن بوتلی نوع پولی ایتیلین	No	2.0		
50	Supply and installation of Polyethylene Tee Reducer, Size (32x25x32)mm سه دهن بوتلی نوع پولی ایتیلین	No	4.0		
51	Supply and installation of Polyethylene Tee Reducer, Size (32x20x32)mm سه دهن بوتلی نوع پولی ایتیلین	No	9.0		
52	Supply and installation of Polyethylene Tee Reducer, Size (25x20x25)mm سه دهن بوتلی نوع پولی ایتیلین	No	2.0		
53	Supply and installation of Polyethylene saddle clump, Size (90x(3/4))", سدل بست.	No	1.0		
54	Supply and installation of Polyethylene saddle clump, Size (75x(01))", سدل بست.	No	1.0		
55	Supply and installation of Polyethylene saddle clump, Size (75x(3/4))", سدل بست.	No	11.0		
56	Supply and installation of Polyethylene saddle clump, Size (63x(3/4))", سدل بست.	No	2.0		
57	Supply and installation of Polyethylene saddle clump, Size (50x(3/4))", سدل بست.	No	1.0		
58	Supply and installation of Polyethylene saddle clump, Size (40x(3/4))", سدل بست.	No	2.0		
59	Supply and installation of Polyethylene End cup, size (Φ90) mm	No	2.0		





each life matters

Medair Afghanistan  
RFX-2024-0000474 Request for Quotation:  
Construction of Solar-Powered Water Supply

60	Supply and installation of Polyethylene End cup, size (Φ75) mm	No	2.0		
61	Supply and installation of Polyethylene End cup, size (Φ63) mm	No	2.0		
62	Supply and installation of Polyethylene End cup, size (Φ50) mm	No	4.0		
63	Supply and installation of Polyethylene End cup, size (Φ40) mm	No	4.0		
64	Supply and installation of Polyethylene End cup, size (Φ32) mm	No	4.0		
65	Supply and installation of Polyethylene End cup, size (Φ25) mm	No	10.0		
66	Supply and installation of Polyethylene End cup, size (Φ20) mm	No	43.0		
Sub-Total Cost for Distribution line (Afs.)					
H	BoQ for Stand Tap construction (1 No)				
1	Excavation for Stand Tap in ground type 3 - 5 کندنکاری برای ساختمان شیردهن ها در زمین 3 - 5 قسم سوم الی پنج	Cu.M	1.7		
2	Back filling with soil and excavated material with proper compaction . تپک کاری پرکاری خاک معه .	Cu.M	1.0		
3	Plain Cement Concrete M: 1:2:4 1:2:4 کانکریت بدون سیخ به مارک	Cu.M	0.6		
4	Reinforced Cement Concrete (RCC), M 200kg/cm2 including steel bars and shuttering according to the drawings. همراهی قالب بندی 1:1.5:3کانکریت سیخدار با مارک مخلوطی	Cu.M	0.04		
5	Plaster work with cement-sand, M: 1:3 مصالحه پلسترکاری مطابق نقشه 1:3 با مارک	Sq.M	0.2		
6	Supply and installation of Galvanized Iron Union 1/2 " پیوند آهنی ملمع جستی بقطر 1/2 "	No	2.0		





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation:

### Construction of Solar-Powered Water Supply

7	Nickly Taps high quality 3/4" (43 pcs), and 1" (10 pcs). (Weight 330-350gr per tap). شیردهن نیکی با کیفیت عالی به قطر	No	1.0		
8	Supply and installation of Galvanized Iron Elbow, diameter 1/2" زانو خم آهنی ملمع جست بقطر	No	2.0		
9	Supply and installaiton of Galvanized Iron (GI) pipe , Internal diameter= 3/4" (for 43 stp) and 1" (for 10 stp) پایپ آهنی ملمع جستی بقطر داخلی	M	1.5		
Subtotal cost for 1 No Stand Taps (AFN) (قیمت مجموعی برای 1 عدد شیردهن (افغانی))					
No of Stand Taps تعداد شیردهن ها			53.0		
Subtotal cost for All of 53 Stand Taps (AFN) (قیمت مجموعی برای تمام شیردهن ها (افغانی))					
I	BoQ for other cost (Afs.)				
1	Tools for pipe scheme caretaker (valve man): tools box, threading machine (dye), threading machine tripod with vice and blades, pipe cutter, pipe wrench, chain wrench, screw wrench (shifting spanner), metal file, pliers, screwdriver, hacksaw, hacksaw blades, lever arm, and meter. سامان برای نلدوان (وال مین) شبکه آبرسانی از قبیل باکس برای وسایل، دایی یا ماشین چوری کشی، سه پایه ماشین چوری کشی با گیرا و پل، پائپ کتر، پایپ رنج، چین رنج، سکرورنج، سوهان، پلاس، پیچکش، اره، پل اره، جبل، متر	LMS	1		
2	Site cleaning of whole construction site (Every construction site) after work needs for removal of extra materials and levelling of site پاک کاری ساحه	LS	1		
3	Marble Sign Board (40 x 60) cm for project as per engineer approval لوحه پروژه نظر به تایید انجنیر	No	1		





each life matters

# Medair Afghanistan

## RFX-2024-0000474 Request for Quotation: Construction of Solar-Powered Water Supply

Subtotal cost for other cost (Afs.)				
Grand Total Cost (Afs.) قیمت مجموعی به افغانی				
Total cost in AFN				
Business with Tax number and registration withholding tax -2%				
Business without Tax number and registration withholding tax -7%				
Payable total in AFN				
<b>Note:</b> 1 Before installation all equipment and tools must be check by technical engineer, after the Project in charge engineer approval the contractor will start the delivery for installation of materials. It's also needs to be mentioned that the contractor must consider the cost of form work (Shuttering work) for RCC work and for PCC installation in its unit price.				
2-All materials must be based on specification and good quality.				
3- The payment will pay based on actual work in the site, supply and installation of all items included in the drawings is the contractors' responsibility (Contractor is overall responsible for supply and installation of all items).				

### Supplier Remarks

### Service Providers Terms and Conditions

1. Validity of the offer (3 month minimum)





**Medair Afghanistan**  
**RFX-2024-0000474 Request for Quotation:**  
**Construction of Solar-Powered Water Supply**

2. Terms of delivery \_\_\_\_\_
3. Number of days to deliver to Medair \_\_\_\_\_
4. Payment Mode (Bank, Cheque, Cash) \_\_\_\_\_

**Note! No Cash and Advance Payments are Applicable!**