

## **Call for Tender “Installation of Two Water Systems (Elevated Plastic Water Tank -10,000 Liters with water connections and solar panel) in Dalhamiyet- Zahle 053 and 086 Camps”**

ADRA Lebanon is seeking interested qualified contractors experienced in water projects for the implementation of water systems (elevated plastic water tank 10,000 Liters with water connections and solar panel to the well) in two of the refugees’ camps in the Bekaa area.

- I. Project Title:** RISE - Restoring Independence, Supporting Empowerment
- II. Expected contract duration:** 01 April 2024 – 01 May 2024
- III. Place of delivery:** Camp 053 and Camp 086, Dalhamiyet- Zahle Village-Zahle District, Bekaa, Lebanon
- IV. Estimated Commencement of work:** on or before **01 April 2024**.

### **How to Apply:**

ADRA Lebanon kindly request you to submit your quotation for supplying electronically in PDF format before or on Tuesday, 12 March, 2024 by 12:00 am to the following email address:

[tenders@adralebanon.org](mailto:tenders@adralebanon.org)

The email subject should be clearly labelled with the name of the **Contractor and the subject line: “Installation of Two Water Systems (Elevated Plastic Water Tank -10,000 Liters with water connections and solar panel) in Dalhamiyet- Zahle 053 and 086 Camps”**.

### **The offers should contain:**

- ✓ A signed and stamped BoQ (file of ADRA).
- ✓ Detailed work schedule (timeline)
- ✓ Company profile and registration documents (MOF and VAT registration).
- ✓ Documents of previous experience with NGOs and similar projects.
- ✓ Sample of Company Invoice and Receipt (picture)

### **Offers will be analyzed for financial and administrative evaluation in the following order:**

- Legal documents and registration of the company
- Detailed work plan
- Best value of money
- Experience in similar projects

As a result of the evaluation, an agreement (contract) will be signed between ADRA and the selected company, where the way of payment will be mentioned in the contract and will be done by online transfer **to the company’s Fresh Money account in USD**.

**Note: Selected supplier has to sign on ADRA’s code of conduct and policies.**

**Failure to submit the tender according to the above instructions may result in rejection of the offers.**



Water System - Bill Of Quantities  
Dalhamyet-Zahle 053 ITs



Number	Description	Unit	Quantity	Unit Price in USD	Total price in USD
<b>Excavation and Backfilling</b>					
1	Excavate trenches of width: 0.2m and depth: 0.2m to install the pipes	m.	1230		
2	Backfill the excavated trenches with excavation soil	m.	1230		
3	Backfill the excavated trenches with fine sand	m.	1230		
<b>HDPE Fittings</b>					
1	Supply and install HDPE pipe 25mm	m.	420		
2	Supply and install HDPE pipe 32mm	m.	450		
3	Supply and install HDPE pipe 40mm	m.	360		
5	Supply and install HDPE coupling 40mm - 32mm	PCS	30		
7	Supply and install HDPE coupling 32mm -25mm	PCS	50		
8	Supply and install HDPE coupling 25mm	PCS	36		
9	Supply and install HDPE coupling 32mm	PCS	22		
10	Supply and install HDPE coupling 40mm	PCS	14		
11	Supply and install HDPE coupling elbow 90° 25mm	PCS	70		
12	Supply and install HDPE coupling elbow 90° 32mm	PCS	18		
13	Supply and install HDPE coupling elbow 90° 40mm	PCS	6		
14	Supply and install HDPE Tee 25mm	PCS	42		
15	Supply and install HDPE Tee 32mm	PCS	24		
16	Supply and install HDPE Tee 40mm	PCS	30		
17	Supply and install HDPE coupling reducer 32 - 25mm	PCS	40		
18	Supply and install HDPE coupling reducer 40 - 32mm	PCS	30		
19	Supply and install metal valve 25mm	PCS	45		
20	Supply and install HDPE valve 25mm	PCS	20		
21	Supply and install HDPE valve 32mm	PCS	28		
22	Supply and install HDPE valve 40mm	PCS	4		
23	Supply and install HDPE adapter male 40x1.25"	PCS	45		
24	Supply and install HDPE adapter male 32x1"	PCS	30		
25	Supply and install HDPE adapter male 25x0.75"	PCS	35		
26	Supply and install Plastic water floater 3/4"	PCS	45		
27	Supply and install elbow 90° female 25mm	PCS	45		
<b>Water Tanks</b>					
1	Supply and install 1000 Liters Water Tanks	PCs	10		
3	Supply and install a 10,000 Liters water tank	PCs	1		
4	Supply and install all necessaries accessories(GI fittings) to connect the 10,000 L. water tank to the water network	LS.	1		
<b>Water Tank Stand</b>					
1	Supply and install a metal stand (for 10,000 It tanks) in line with technical specifications	PCs	1		
2	Install an iron board on the metal stand (2.3 m.*0.5 m.) to be used for visibility	PCs	1		





Water System - Bill Of Quantities  
Dalhamyet-Zahle 053 ITs



Number	Description	Unit	Quantity	Unit Price in USD	Total price in USD
<b>Solar Panels</b>					
1	Supply and install a solar panels 550 watt each with the metal stand and all accessories	PCs	10		
2	Supply and install a solar power inverter 8500 watt with all accessories	PCs	1		
3	Supply and install a 240 ampers/hour solar battery	PCs	4		
4	Supply and install Electrical protection box with all circuit breakers and accessories	LS.	1		
5	Supply and install electric cable of size 2.5 sq.mm.	m.	80		
<b>Booster Pump Installation</b>					
1	Supply and Install a booster pump (1.5 hp) on the output of the 10,000 water tank .	PCs	1		
2	Supply and install all necessaries accessories(GI fittings) to connect the pump to the Water Tank and the HDPE pipe.	LS.	1		
3	Supply and Install a metal box to protect the pump.	PCs	1		
4	Supply and install electric cable of size 2.5 sq.mm.	m.	60		
		<b>Sub Total in USD</b>			
		<b>VAT 11% in USD</b>			
		<b>Grand Total in USD</b>			

Company Name:	
Date:	
Stamp and Signature:	



Water System - Bill Of Quantities  
Dalhamyet-Zahle 086 ITs



Number	Description	Unit	Quantity	Unit Price in USD	Total Price in USD
<b>Excavation and Backfilling</b>					
1	Excavate trenches of width: 0.2m and depth: 0.2m to install the pipes	m.	1700		
2	Backfill the excavated trenches with excavation soil	m.	1700		
3	Backfill the excavated trenches with fine sand	m.	1700		
<b>HDPE Fittings</b>					
1	Supply and install HDPE pipe 25mm	m.	500		
2	Supply and install HDPE pipe 32mm	m.	550		
3	Supply and install HDPE pipe 40mm	m.	650		
5	Supply and install HDPE coupling 40mm - 32mm	PCS	45		
7	Supply and install HDPE coupling 32mm -25mm	PCS	60		
8	Supply and install HDPE coupling 25mm	PCS	42		
9	Supply and install HDPE coupling 32mm	PCS	42		
10	Supply and install HDPE coupling 40mm	PCS	20		
11	Supply and install HDPE coupling elbow 90° 25mm	PCS	60		
12	Supply and install HDPE coupling elbow 90° 32mm	PCS	25		
13	Supply and install HDPE coupling elbow 90° 40mm	PCS	12		
14	Supply and install HDPE Tee 25mm	PCS	52		
15	Supply and install HDPE Tee 32mm	PCS	34		
16	Supply and install HDPE Tee 40mm	PCS	20		
17	Supply and install HDPE coupling reducer 32 - 25mm	PCS	55		
18	Supply and install HDPE coupling reducer 40 - 32mm	PCS	32		
19	Supply and install metal valve 25mm	PCS	50		
20	Supply and install HDPE valve 25mm	PCS	12		
21	Supply and install HDPE valve 32mm	PCS	24		
22	Supply and install HDPE valve 40mm	PCS	6		
23	Supply and install HDPE adapter male 40x1.25"	PCS	40		
24	Supply and install HDPE adapter male 32x1"	PCS	32		
25	Supply and install HDPE adapter male 25x0.75"	PCS	34		
26	Supply and install Plastic water floater 3/4"	PCS	47		
27	Supply and install elbow 90° female 25mm	PCS	47		
<b>Water Tanks</b>					
1	Supply and install 1000 Liters Water Tanks	PCs	12		
3	Supply and install a 10,000 Liters water tank	PCs	1		
4	Supply and install all necessaries accessories(GI fittings) to connect the 10,000 L. water tank to the water network	LS.	1		
<b>Water Tank Stand</b>					
1	Supply and install a metal stand (for 10,000 lt tanks) in line with technical specifications	PCs	1		
2	Install an iron board on the metal stand (2.3 m.*0.5 m.) to be used for visibility	PCs	1		



Water System - Bill Of Quantities  
Dalhamyet-Zahle 086 ITs



Number	Description	Unit	Quantity	Unit Price in USD	Total Price in USD
<b>Solar Panels</b>					
1	Supply and install a solar panels 550 watt each with the metal stand and all accessories	PCs	10		
2	Supply and install a solar power inverter 8500 watt with all accessories	PCs	1		
3	Supply and install a 240 ampers/hour solar battery	PCs	4		
4	Supply and install Electrical protection box with all circuit breakers and accessories	LS.	1		
5	Supply and install electric cable of size 2.5 sq.mm.	m.	180		
<b>Booster Pump Installation</b>					
1	Supply and Install a booster pump (1.5 hp) on the outpout of the 10,000 water tank .	PCs	1		
2	Supply and install all necessaries accessories(GI fittings) to connect the pump to the Water Tank and the HDPE pipe.	LS.	1		
3	Supply and Install a metal box to protect the pump.	PCs	1		
4	Supply and install electric cable of size 2.5 sq.mm.	m.	100		
<b>Pump supply and installation</b>					
1	Supply and Install the pump (3hp) into the well and connect it to the network.	PCs	1		
2	Supply and install Automatic voltage regulator -40 A-	PCs	1		
3	Supply and install electric cable of size 3*2.5 sq.mm.	m.	180		
		Sub Total in USD			
		VAT 11% in USD			
		Grand Total in USD			

Company Name:	
Date:	
Stamp and Signature:	



**Elevated tank steel structure:**

Respect the technical drawings

- 1- In general, the structure should be 3 meters of height; cube shape with dimension of (2.3m.\*2.3m.).
- 2- Five Hollow bars should be (100mm.\*100mm.\*3mm.) length 3 m., installed on the four corners and one in the middle.
- 3- Support hollow bars should be 3 hollows (100mm.\*50mm.\*3mm.) length 2.3 m.

All surfaces shall be coated with anti-rust coating after proper welding.

- 1- Protected steel cable 5mm shall be installed to fix the 10000 litres plastic tank over the elevated tank structure.
- 2- Proper galvanized lock hooks shall be installed to fix the rope with the plastic tank and elevated tank structure.
- 3- 5 Concrete basements for hollow bars of dimensions: 50\*50\*40cm.

Considering potential changes in the elevated tank position (inside the ITS), the height of the structure can be increased by 20 cm if required by ADRA engineer.

railing (100mm.\*50mm.\*3mm.)  
2.3 meter

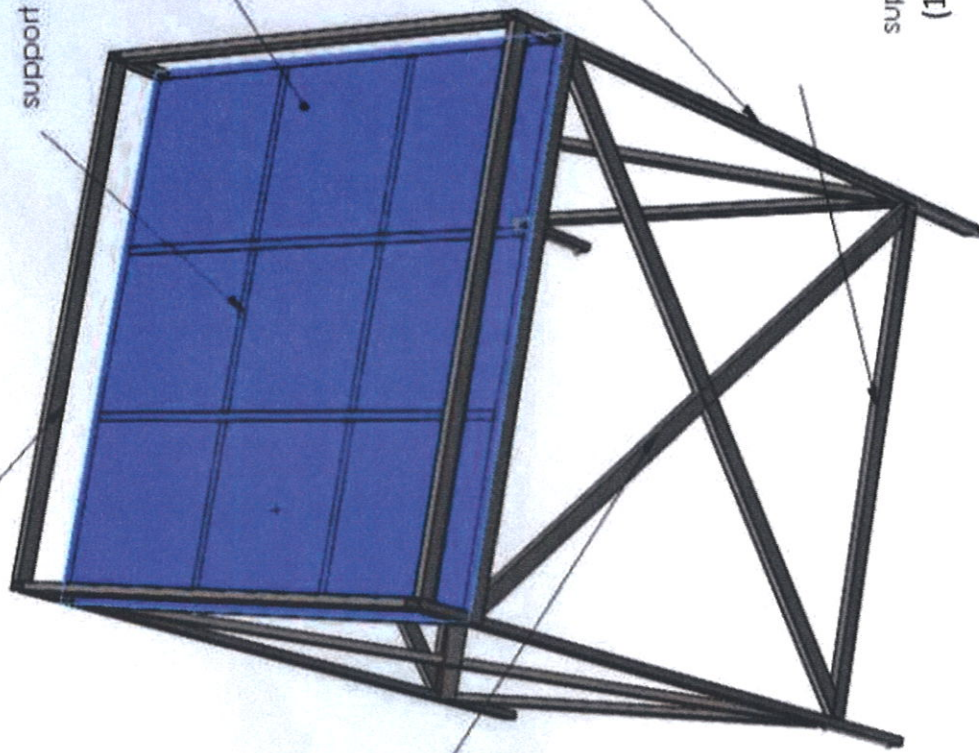
support hollow bars (100mm.\*50mm.\*3mm.)

steel sheet (3mm thickness)

3m hollow bar (feet)  
(100mm.\*100mm.\*3mm.)

support hollow bars  
(100mm.\*50mm.\*3mm.)

braces (for support)  
(100mm.\*50mm.\*3mm.)





railing (100mm.\*50mm.\*3mm.)

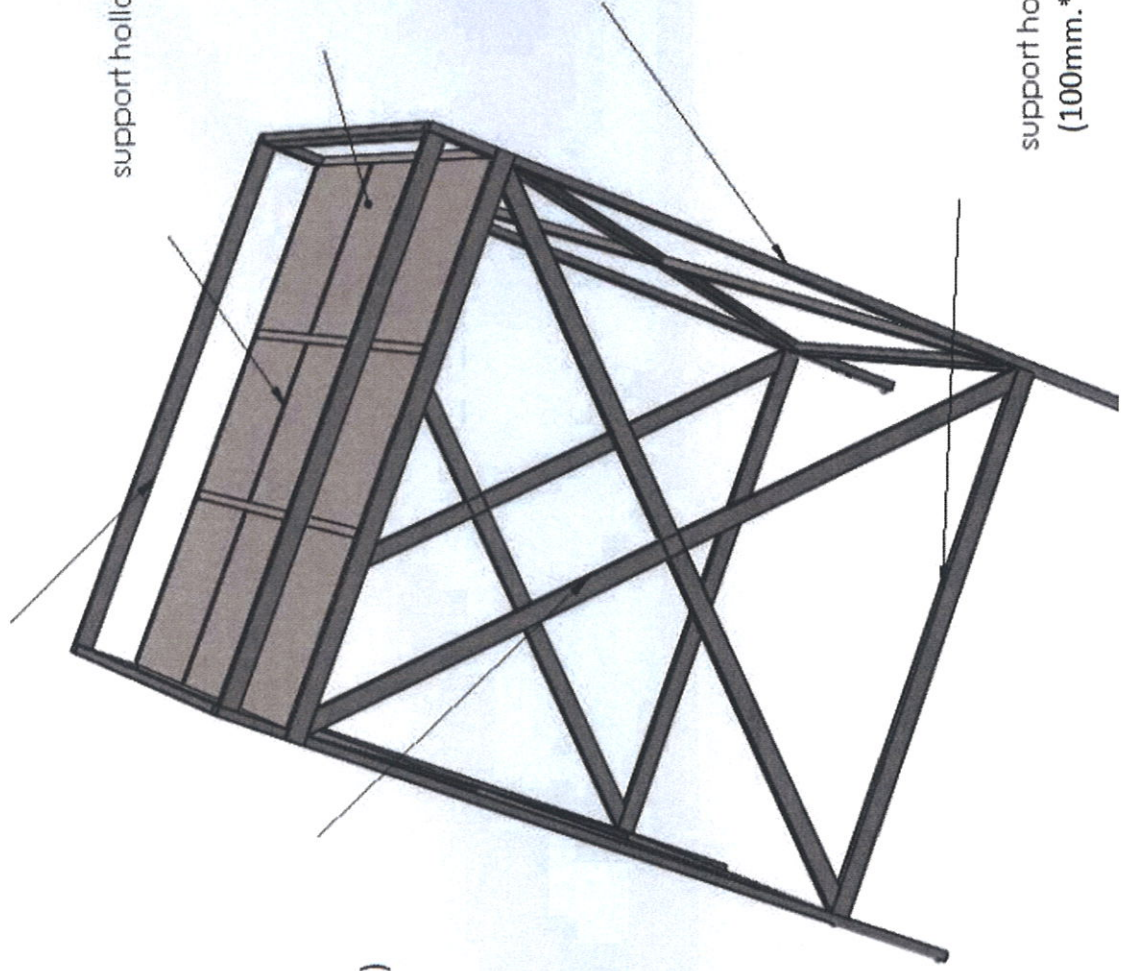
support hollow bars (100mm.\*50mm.\*3mm.)

steel sheet (3mm thickness)

3m hollow bar (feet)  
(100mm.\*100mm.\*3mm.)

support hollow bars  
(100mm.\*50mm.\*3mm.)

braces (for support)  
(100mm.\*50mm.\*3mm.)

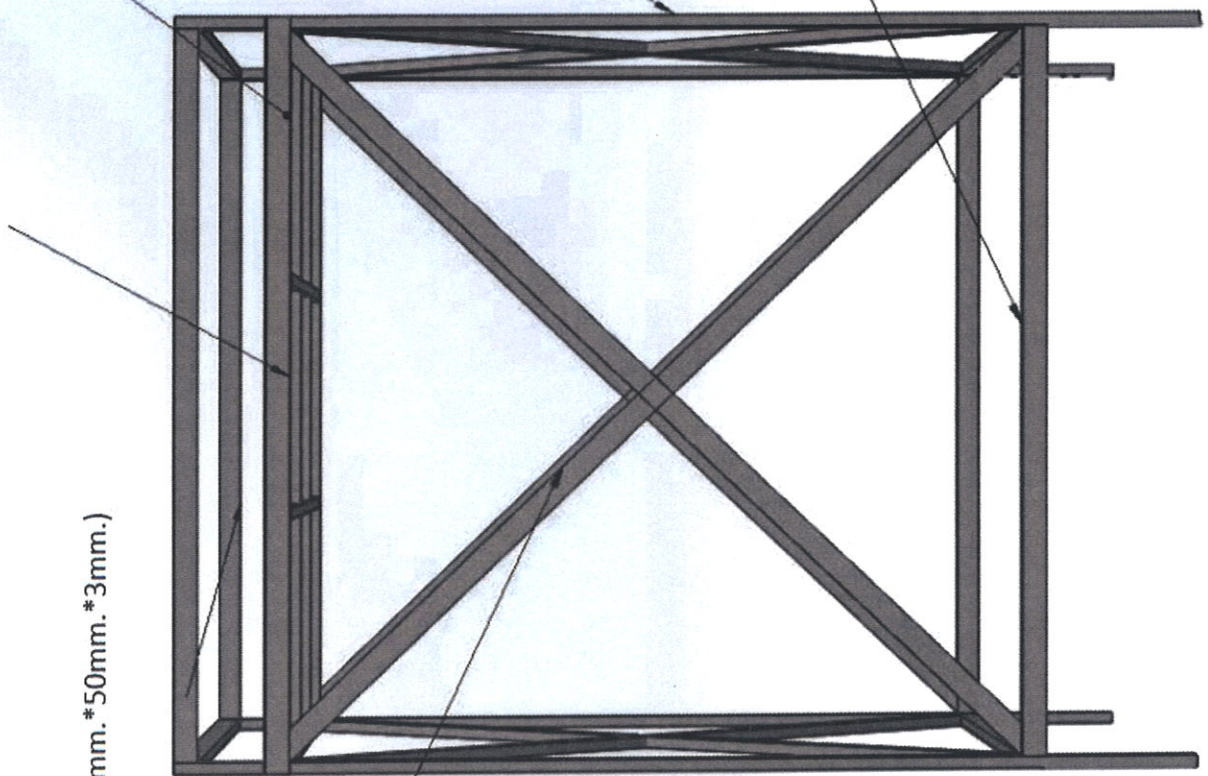




steel sheet (3mm thickness)  
(100mm.\*100mm.\*3mm.)

3m hollow bar (feet)  
(100mm.\*100mm.\*3mm)

support hollow bars  
(100mm.\*50mm.\*3mm.)



railing (100mm.\*50mm.\*3mm.)

braces (for support)  
(100mm.\*50mm.\*3mm.)