



OXFAM

Terms of Reference

Contractor for Rehabilitation of water supply system

Oxfam Lebanon Programme

Oxfam is a global movement of people, working together to end the injustice of poverty. Oxfam has been working in Lebanon since 1993. We provide humanitarian assistance to vulnerable people affected by conflict, and we promote economic justice and good governance, and women's rights. Oxfam also works with local partners to contribute to the protection and empowerment of marginalized women and men.

Project Objective:

Oxfam is seeking a company to sign with it a framework agreement in order to provide rehabilitation works for water supply system. The location of intervention is Beirut, Zahle and Nabatieh. The specific locations will be based on the needs and will be shared with winner suppliers.

Operational objective:

Content of Works:

- Maintenance of water network.
 - Maintenance of pumping stations
 - Testing and commissioning / recommissioning of all structures and systems.
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- The Contractor shall inspect the site/s prior to commencing works in order to determine the specifics of works required.
 - The Contractor shall ensure that all required equipment and materials will fit into the existing system (station, etc) and that the intervention can be successfully commenced in a timely manner.
 - The Contractor shall ensure the supply and installation of all items (pumps, pipes, cables etc.), according to the agreed design specifications and agreed schedule of works. No changes will be allowed to specified works or materials unless by prior agreement of the Oxfam.
 - Installation and testing of all equipment according to contract.
 - After testing, the contractor will handover to authority, including submission of all necessary documents.
 - The contractor is responsible, when working on site, for the health and safety of his staff, and ensure the safety of approved site visitors.
 - The period of execution of the works in the location shall be up to 5 calendar days from date of handover.
 - The Site Engineer may amend what they deem "technically" suitable for the project and after taking the approval of Oxfam, and the Contractor must abide completely with what was required by the supervising committee.
 - The Contractor's relationship will directly be with OXFAM staff OXFAM will inform the contractor on the date of starting the construction one week ahead.
 - The contractor shall execute all works required in the presence of the site Engineer or his representative considering that the supervision committee has the right to require re-implementation in case of violation of the agreed specifications.
 - An Oxfam staff or a representative will be responsible to monitor and confirm the work.
 - The contractor should have the capacity to complete the works in one site within three days.
 - Oxfam has the right to increase or decrease quantities at the same unit cost
 - Oxfam has the right to select different suppliers for the same market and the quantity might be split between them.



- The quantity of items requested will differ based on the needs which will be defined later for emergency response.

NB: This purchase is made for emergency situations.

Table of items.

Description	Unit	Quantity	Unit Cost (USD)	Total Cost (USD)
Submersible pump				
Removing and re-installing pump	LS	10		
Oxfam is seeking suppliers to supply and install submersible water pump Different sizes; range from 4" to 22". Maximum flow is 500L/s Maximum head is 800 m Maximum power is 350 kw Supplier is expected to provide list of pumps and cost of installation including all accessories needed from 4" to 22".. (estimation is 2 pumps from each size)				
Pump 1:		2		
Pump 2:		2		
Etc		2		
Polyethylene pipes (HDPE) for water supply				
Excavation in any type of land, minimum depth 60 cm, including fine sand bedding (10 cm each layer), backfilling, pipe connections, warning tapes.	LM	3000		
Supply and install water (HDPE) for water supply, minimum PN 16 or higher depending on pipe nominal pressure; Outside diameter range from 50 mm to 280 mm	LM	3000		
Rehabilitation of existing electrical panel board or installing				
The supplier is expected to provide cost of site visit.				
Panel board IP65 (different sizes)	PC	20		
Phase relay (provide prices for all Amperage available sizes)	PC	20		
Minute timer	PC	20		
Second timer	PC	20		
string trimmer for grass removal (Heavy duty, >50 cc quick start gasoline engine, >40 cm cutting width)	PC	20		
Manual switches (different sizes)	PC	20		
DC Fuse 25 A 1000 V DC (EU origin)	PC	20		
DC Fuse 20 A 1000 V DC (EU origin)	PC	20		
DC Fuse 15 A 1000 V DC (EU origin)	PC	20		
DC Circuit Breaker 2P 125 A (EU origin) and any other available sizes.	PC	20		
AC Circuit Breaker 2P 6 A (EU origin)	PC	20		
AC Circuit Breaker 2P 10 A (EU origin)	PC	20		
AC Circuit Breaker 2P 20 A (EU origin)	PC	20		
AC Circuit Breaker 2P 32 A (EU origin)	PC	20		
AC Circuit Breaker 4P 10 A (EU origin)	PC	20		
AC Circuit Breaker 4P 25 A (EU origin)	PC	20		
Contactors 3 poles (EU origin or equivalent) for different sizes (20A till 100A)	PC	20		

Solar panel				
For the un-functional solar system, replace the non-functional solar panel. Supply, install, test and commission of Solar Modules of a Crystalline technology 545 Wp or higher.	PC	100		
Solar water pumping invertor				
Oxfam is seeking suppliers to supply, test and commission of solar variable frequency drive, specification like Vacon type or equivalent - the VFD warranty shall be at least 2 years. Supplier to provide cost for inverters ranged from 11 Kw to 160 kw (Expected two invertor from each side)				
Inverter 1		2		
Invertor 2		2		
Invertor 3		2		
Lithium battery				
Supply, install, test, and commission of Lithium battery 10 kWh, 200 Ah 48VDC, 6000 cycle depth of discharge is 95%, the battery system shall be mounted on rack or wall mounted, well ventilated including all required cables and accessories.	Pc	10		
Hybrid solar inverter				
Supply, install, test and commission of one three-phase Hybrid solar inverter , colorful touch LCD, IP65, efficiency > 97%, Surge protection DC Type II / AC Type II, Battery type Lead-acid or Lithium-ion, Self-adaption to BMS, PV Input Voltage 100V~500V, PV Input Current 13 A, No. of MPPT Trackers 2, 5 years warranty.	Pc			
Hybrid solar inverter 5 kWh		10		
Hybrid solar inverter 10 kWh		10		
Earthing system				
Supply, install, test and commission of earthing system. All PV panels frames, Mounting Structure, Cable trays & All PV equipment and metallic structures on roof should be properly earthed. The earthing system shall include the following:		10		
<ul style="list-style-type: none"> - Copper rods, tap-clamps, earthing pits (earthing cable, earthing rods, clamos, interconnection wires, earthing pits and all system accessories) as would be needed to get a maximum of 5 Ohm. Interconnection to existing earthing system. Earthing of all equipment and sstems as indicated in the technical specifications. Manufacturer shall be: Wallis (U.K.)/ Furse or equivalent as would be approved by employer Engineer. - Supply and install Earth bar - 25mm² Cu/PVC Insulated earthing conductor for the solor panels interconnection for earthing continuity at roof and in Ø25 RGS conduit clipped to the roof's slab for the equipotential bonding of other equipment at roof 				
Others				



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Refurbishing the pump control room internal and external walls, by scrapping existing, plastering, white colour painting with one basic layer and 2 finishing layers. The area around 60m2	LS	10		
Refurbishing of the exiting doors and openings. Painting in epoxy blue colour after applying the needed maintenance. Dimensions of the door is 2m * 2m.	LS	10		

Selection criteria for administrative compliance:

Company Profile.

- At least two years of experience in the same domain (company name, contact name and phone number).
- Two references should be longstanding customers of at least one year (company name, contact name and telephone number).
- Copies of Institution registration certificate and VAT registration certificate (if available) applicable for companies only not individuals.

Pricing / Required Details

The prices must be presented according to the following titles:

- 1- All tenderers must be qualified technically and financially to be able to submit their offers.
- 2- The unit prices and rates must be presented in Fresh US dollars for each of the offer items.

Coordination and Supervision

The activity will be supervised by Oxfam’s team. Oxfam may assign additional staff during the implementation of activity.

Date of start: One week after signing the agreement.

Offers must be submitted to lebanonprocurement@oxfam.org.uk before the 2nd of October 2024.

Questions / Request for clarification

Any requests for clarification may be submitted by email to lebanonprocurement@oxfam.org.uk ccing sabdelkader@oxfam.org.uk

Timeframe and Payment: 100% payment after delivery of the requested quantity, technical approval and submitting the financial documents.