



Islamic Relief Worldwide-Lebanon

Islamic Relief Lebanon



**Islamic Relief
Lebanon**

Tender No: IRL – T2023 - 040

Date: 05/10/2023

Location: North – Akkar - Qobayat

Project Name: Upgrade Water Supply Networks in Most Vulnerable Areas in Akkar North Lebanon

ABOUT ISLAMIC RELIEF

Islamic Relief Lebanon office (IRL) is a humanitarian INGO and one of IRW's field offices dedicated to alleviating poverty and suffering in Lebanon. Islamic Relief first started working in Lebanon in 2006, providing those affected by the Lebanon war with food, clean water and essential household items. After the conflict, we continued working in Lebanon with focus on Food Security, WASH, Health, Shelter & NFIs, Livelihood and Education.

Summary of Project:

Through this project, IRL will improve the access to safe water for the host community and refugees in the most vulnerable villages in North Lebanon and Akkar governorates, Lebanon. IRL will support the North Lebanon Water Establishment (NLWE) by developing water infrastructure in Akkar Governorate and Tripoli T5 region (Tripoli and surrounding cazas), more specifically targeting the area under the coverage of the Qobayat local office, Minnieh local office and Tripoli under NLWE.



**Islamic Relief
Lebanon**

Verdun, Saeb Salam Street,
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فردان، شارع صائب سلام،
سنتر كجك الطابق 4 و 5،
بيروت، لبنان

1. SUBMISSION OF QUOTATIONS

1. Issuance of Payment occurs within 15 days after submission of legal invoice by cheque withdrawn cash in dollars after 48 hours from receiving date.
الدفع بعد الفاتورة الرسمية خلال خمسة عشرة يوماً على شكل شيك يصرف بعد 48 ساعة من تاريخ إستلامه نقداً بالدولار.
2. Bank fees when cheque withdrawn are on the account of the supplier.
الرسوم البنكية عند صرف الشيك على حساب المورد
3. Prices must include VAT and it must be shown on the invoice,
الاسعار شاملة الضريبة على القيمة المضافة والضريبة يجب أن تكون واضحة ومبينة على الفاتورة،
4. NO other form is accepted only this form must be filled by the prices and specifications, signed and stamped by the supplier.
لن يتم إعتداد أي نموذج آخر غير هذا النموذج على أن يتم توقيعه و ختمه من قبل المتقدم لهذه المناقصة.
5. Every supplier has to fill the request for quotation and place it in a closed envelope, signed and stamped on the envelope and submitted by hand in the locked box that's found beside the reception office at our office located, Verdun – Saeb Salam Street – Kojok Center 5th floor – Beirut – Lebanon. We do not accept any quotation by email.
على المتقدم لهذه المناقصة ملء ، توقيع وختم هذه المناقصة ووضعها داخل مغلف مغلق مختوم وموقع على فتحة المغلف وعليه أن يضع هذا المغلف بيده في الصندوق المقفل الموجود بجانب مكتب الإستقبال في مكتبنا في فردان – شارع صائب سلام – مركز كجك الطابق ال 5. العروض المرسله في البريد الالكتروني لن تأخذ بعين الاعتبار.
6. The tender will be closed on 26/10/2023 at 4:00 pm and any bid will not be accepted after this time.
المناقصة سوف تغلق 2023/10/26 الساعة 4:00 عصراً وأي مناقصة بعد هذا الوقت ستكون مرفوضة.
7. Procurement department is the only responsible department, any inquiry for clarification must be received by IRW-Lebanon in writing to email (procurement@islamicrelief-leb.org) at least 3 days before the deadline for submission of tenders. IRW-Lebanon will reply to bidders' questions at least 2 days before the deadline for submission of tenders.
قسم المشتريات هو القسم المسؤول عن المشتريات والمناقصات وعلى المتقدمين للمناقصة أن يتصلوا مع قسم المشتريات من خلال البريد الالكتروني (procurement@islamicrelief-leb.org) لأي إستفسارات خلال مدة اقلها ثلاثة ايام قبل انتهاء مدة الاعلان. فريق المشتريات يجيب خلال مدة يومين قبل اغلاق الاعلان.
8. Supplier must submit his legal papers with the request for quotation in the same envelope, in addition to a copy of the owner's ID, or his quotation will not be considered
على المتقدمين للمناقصة وضع صور عن أوراق صالحة وقانونية عن الشركة بنفس مغلف المناقصة بالإضافة الى صورة عن هوية مالك الشركة.



9. Invoice must be official and legal.
الفاتورة يجب أن تكون قانونية بالكامل.
10. Prices must be in United states dollars. الأسعار بالدولار الأمريكي.
11. Prices include delivery to any place in Lebanon at any time requested.
السعر شامل التوصيل الى أي مكان في لبنان.
12. CVs and/or portfolio to be submitted attached to the quotation.
تقديم السيرة الذاتية مرفقة بالعرض المقدم.
13. Please take all the above notes into consideration, or your quotation will be disregarded.
الرجاء أخذ الملاحظات الموجودة أعلاه بعين الاعتبار وإلا سيتم تجاهل أي عرض يخالف أحد هذه الملاحظات.





2. SPECIFICATION OF REQUIREMENT

Main Deliverables

Deliverable	Description	Timeline
Solar system	The system is designed to cover the Essential loads for 3 phases 50 HP Pump for Qobayat water station 2/3, Akkar, North Lebanon.	See BOQ below.
Plan	The contractor shall provide a detailed implementation plan of activities.	Implementation plan to be attached to the bid.
Team Communication	Supplier's labors need to coordinate with IRL team regarding delivery process. Supplier does not accept any request from a third party without a written approval from IRL management.	During implementation.
Restrictions	Supplier's team is not allowed to communicate with beneficiaries to avoid any miss communication.	During implementation.
Field visit (Mandatory)	Suppliers who intend to participate in this bid are requested to conducted a filed visit to inspect and investigate the site in Al Qobayat – Akkar – North in coordination with the procurement department. Procurement phone number: 81-314024 NOTE: Field visit is mandatory and essential for bidders to have a clear overview of the site and be able to bid accurately. Thus, bidders shall communicate with procurement and logistic to facilitate the visit. Noting that visits will be scheduled as one visit per bidder. Bidders that will not conduct filed visit will be disregarded of the selection analysis.	On: 16/10/2023 18/10/2023 19/10/2023

Mandatory Requirements:

- Bidder shall submit a **material submittal log sheet that mentions the brand, the origin, the warranty and the main specifications for each item/component stated in the BoQ**, with the data sheets showing the requested specifications.
- The bidder shall submit the manufacturer testing certificate, country of origin, certified characteristics, all tests as recommended by the manufacturer, maintenance manuals and manufacturer's warranty for each component of the system.





- The bidder must provide a detailed time schedule, detailing all activities in logical sequence to complete the works.
- The field visit is mandatory taking into consideration that different activities are related to land preparation and shall be assessed by each bidder.
- The selected contractor will be responsible for submitting design calculations with shop drawing for all the items to be delivered (solar system, mounting structure, etc.), subject to the approval of IRL prior to execution. (Except for the LS items)
- The final quantities that will be eligible to be paid for the contractor will be remeasured as actually executed.





3. SERVICE REQUIREMENTS AND SCOPE OF WORK

BOQ for Solar PhotoVoltaic System with high-end components & technologies for Qobayat water station 2/3, Akkar (34.573188, 36.293788).					
Pump size	50 hp, Caprari, 8 inches				
Pump depth in well	140 Meters				
Pump delivery height (from ground level)	190				
Hours Operation Range	8 to 10 Hours				
General	<p>The system is designed to cover the Essential loads for 3 phases 50 HP Pump at for Qobayat water station 2/3, Akkar, North (34.573188,36.293788).</p> <ul style="list-style-type: none"> • Contractor shall submit design drawings, calculation notes and shop drawings for all architectural, civil, electrical for the photovoltaic solar system works, including a single line diagram showing all the components of the PV system, DC and AC distribution boards, PV Arrays layout and connections and cables, wires cross sections for all the system, to be approved by IRL Engineer before execution. • Contractor shall submit the data sheets of each component showing the requested specifications, stated in the bill of quantity. • The contractor shall submit the Manufacture testing certificate, country of origin, certified characteristics, all test as recommended by manufacturer , maintenance manuals and manufacturer's warranty for each components of the system. • The contractor must provide detailed time schedule, detailing all activities in logical sequence to complete the works. • Prices should include provision, supply, install all necessary materials and equipment, to complete the items according to BoQ. It is the duty of the contractor to check the designs for accuracy and adequacy before starting the works. In case of any difference between BOQ, designs and/or drawings, the instruction of supervisor engineer will govern. <p>The price of all the above mentioned is deemed to be included within the rest of the items' prices.</p>				
Component	Description	Unit	QTY	Price + VAT	Total Price + VAT
Solar Panel	<p>Supply, install, connect and operate Mono Crystalline Photovoltaic Solar Modules (550w or equivalent) PERC Half-Cut 9BB TECHNOLOGY with all material needed to have complete job ready for installing high quality PV modules with total arrays capacity to achieve. The item includes supply, install & connect the following:</p> <ul style="list-style-type: none"> • PVC ducts with clamps, accessories, supports & labels suitable to be installed under the PV arrays. • Solar DC cables appropriately sized to connect the PV solar cells together and to the inverter directly to have a complete operational circuit with all conduits, clamps, trays and cable end terminations which shall be DC plug and socket connectors. The DC cables must be sized in accordance with the installation requirements applicable on site, the allowable voltage drop for DC cables between PV Arrays and inverter less than 1%. • Hot galvanized cable trays appropriately sized, Ventilated or Perforated type with cover for outdoor use to protect the DC cables from the PV cells to the room and inside the room, complete with all needed clamps, accessories, screws, labels to complete the job. • The price includes all works, making good and reinstatement including necessary materials and workmanship as well as removal of unwanted materials to dump sites to complete the job successfully as approved by IRL engineer. • Contractor must submit manufacturer warranty for solar panel for a period not less than 20 years. 	Unit	132		





	<ul style="list-style-type: none"> Contractor must submit all the required certificates for each PV solar panel. All works and materials must be according to the drawings, specifications and IRL engineer's instruction and approval. 				
Inverter	<p>Supply, install, connect and operate Solar Pump Inverter or equivalent (Hybrid solar variable frequency drive, efficiency more than 98%, warranty 5 years) with data communication unit with Ethernet connection and WIFI monitoring. The inverter must be suited to any PV module configuration, and depending on the system design and installation proposed and for the future extension also. The DC max power input rating should be equal or more than 55 KW of the PV modules capacity at standard test condition. The inverter unit shall be suitable for indoor and outdoor installations. The inverter must include the safety concepts such as (triple protection with Opti protect, electronic strings fuses, self-learning string failure detection, DC surge arrester type 2) to ensure max availability. The price includes :</p> <ul style="list-style-type: none"> Supply, install and connect (monitoring and controlling unit) for all PV solar system installed especially compatible with the inverters, with all needed accessories, interface modules & data cables and all connections needed to complete and connect the monitoring system to internet. Supply ,install and connect all DC cables appropriately sized in accordance with the installation requirements and to connect the inverters with PV system designed with all conduits, clamps, trays and cable terminations end which shall be DC plug and socket connectors to have a complete job The contractor must submit manufacturer warranty for each inverter for a period not less than 5 years. <p>All works and materials must be according to the drawings, specifications and supervisor engineer instruction's and approval.</p>	Unit	1		
Reactor	Equip a Reactor AC Filter 4% (110A) or equivalent including a floor-mounted steel cage and an approved fan with stainless blades with all needed accessories. All to the satisfaction of IRL Engineer.	Unit	1		
PV Structure	Supply and install Module mounting structure from hot galvanized steel profile suitable to the dimension of selected PV modules and PV numbers, the mounting provides a fixed inclination on the pitched surface, including plates, welding, and screws, as per approved structural design to be submitted by contractor. The mounting structures must be designed structurally to be suitable to withstand all loads (weight of modules, snow load, wind loads, etc.) that might occur according to the site conditions with anti-rust treatment and epoxy painting at welding areas. Installation shall be complete with all required accessories, clamps and fittings. The mounting structure components are bonded together to guaranty potential equalization. All works and materials must be according to drawings, specifications and IRL engineer approval.	Unit	132		
	Construct the following reinforced concrete foundations for the metallic support structure, as per approved structural design, complete including, but not limited to, all necessary excavation, concrete works using ordinary Portland cement to ASTM C150, Type II, 25 MPa reinforced concrete works with all necessary formwork, reinforcement, anchor bolts & steel plate, accessories, application of two coats of bituminous paint to the concrete surfaces in contact with soil, backfilling and compaction, removal	LS	1		





	of resulting materials to agreed dumping areas outside the site, and all other related works to the satisfaction of IRL engineer.				
Accessories	Supply, install, test and commission double insulation 6 mm ² DC Cables for PV Connection with all necessary lugs, connectors, cable glands, accessories and fittings. Item shall be complete including accessories, and all related civil works, all as specified, and to the satisfaction of IRL engineer.	m	800		
	Supply, install, and connect of electrical control unit including electrical box IP65 with pump switch, Inverter input and output voltage protections, overload protections, witness lamps, earthing bar with connection to the earthing system, ducts, cash cables, and all other related works. Item shall be complete including protections, manpower, accessories, fittings and all other related works, all as specified, shown on drawings, with all needed accessories to the satisfaction of IRL engineer.	LS	1		
	DC Combiner boxes weatherproof IP54, rust proof and vandal proof including with all required components per each box: 16A fuses, 250A DC Breakers, 1000 VDC surge arrestors, and all needed accessories.	LS	1		
	Supply, install, connect and operate surge arrestor system to protect the system from thunderbolts, with all needed accessories.	LS	1		
	Supply, install, and connect 3 pole 150 A, AC MCB switch	Unit	2		
	Supply, install, and connect Manual Transfer Switch 150A 3 phases	Unit	1		
Solar system for chlorination room	Provide the required materials, equipment's, tools, machines and skilled labours for providing and installing a Photovoltaic Solar hybrid system of production capacity 3.5 Kw (Voltage Range 230Vac, Overload 200% during 60sec, Protection Class IP20/IP54, Built-in MPPT, Built-in Fuse Box, Monitoring & Data Storage and Operator Panel) consisting from 6 Solar Panels, battery Racks, Smart Inverter, Regulators, connection cables, Plugs & Sockets, 2 Gel batteries, 1000VDC surge arrestor, protection fuses, AC/DC electrical cables, electrical combiner box, earthing system, breakers, with all needed electrical accessories and works that connects the panels and batteries to inverter, to supply power during the day and night to the chlorination room. All the provided materials should be of approved quality by supervisor Engineer. The System should always work on solar with stored energy from batteries.	LS	1		
Earthing System	Supply, transport, install, test and commission an earthing system for panels and inverter, complete including all necessary electrodes (minimum of 3 rods), inspection pits with precast concrete handhole, bare copper conductor of 50 mm ² , earth bus bar with test link, excavation, backfilling, compaction, and all other related works to achieve an earth resistance of less than 5 ohms, to be proven by a certified earth resistance test, with the supervision of IRL engineer. Item shall be complete including protections, manpower, accessories, fittings and all other related works, all as specified.	LS	1		
ATS Panel	Supply, install and commission Automatic Transfer Switch (ATS) 3 phases system, 100A/ phase, 415V, 4P, 4W, 50Hz, free Standing with all needed fittings, with IP66 enclosure, control cable and accessories to get job ready according to specifications and supervisor IRL engineer instructions.	LS	1		





Steel Fence	Supply all required materials, labour and equipments to repair any existing but damaged steel fence elements repeating the same existing design. The work includes replacing the missing or damaged steel parts (fence, bars, I-shape columns, steel wire rope, accessories, etc) with new elements welded to the existing design, and adding barbed wires at the top. All existing steel elements are to be scraped to remove the old paint and to be re-painted on-site with two (2) coats of primer paint (anti-rust), followed by two (2) coats of approved material paint. All the work must be done according to the instructions of IRL supervisor engineer.	l.m	115		
	Supply all required materials, equipment and labor for external plastering 20mm thick in two coats, the first coat coarse with spatter dash & the second coat rub smooth & ready for paint. Provide all necessary material & remove all debris from site to a designated safe dumper, including repair the existing masonry boundary wall. All spaces and gaps between the blocks must be filled with ordinary cement mortar.	m2	450		
	Prepare surfaces, supply materials and apply one coat of sealer primer, two coats of exterior elastic putty, and two finishing coats of an approved waterproof exterior emulsion paint of approved color and material, to the following surfaces. All the work must be done according to the instructions of IRL supervisor engineer.	m2	450		
Land preparation for PV installation	Land preparation, backfilling with approved material, leveling, compacting, and cleaning of existing surfaces for the installation of PV arrays, works shall include the relocation of existing soil and aggregates from high areas, dumping the resulting material in low areas, leveling and compacting of the land, removal of unnecessary materials to approved dumping areas outside the site as needed, and finishing with a final layer of base coarse, using the necessary heavy machinery, manpower, labor tools. Site shall be cleared of all vegetation, shrubs and removal of large trees, and from all other foreign and deleterious matter that may affect and interfere with the progress of the works. All cut trees shall remain the property of the water establishment.	LS	1		
	<p><u>The component will include the relocation of existing equipment, pipes, pumps, materials, accessories and all unwanted items found on ground at the solar system site and deliver to a warehouse in a safe manner located within a maximum of 8 Km. Contractor will be held responsible and accountable for any damages to transported items.</u></p> <p><u>All related works should be to the satisfaction of IRL engineer. Price shall include safety measures and safety warning signs.</u></p>				
	Supply and installation of a storm water drainage network to collect water from low level areas including cleanouts, pipes, concrete works, excavation, labor, and all needed accessories. All as per specifications and instructions of IRL engineer.	LS	1		
Rehabilitation of Items of the existing water well	Rehabilitation of water well manhole including repair, repainting (refer to steel fence repainting component) and installation of existing access shaft steel cover. All to the satisfaction of IRL Engineer.	Unit	1		
	Supply, install, and connect a Pressure switch, 0-25 Bar, to the existing electrical pump panel, including all needed mechanical and electrical accessories. All to the satisfaction of IRL Engineer.	Unit	1		
	Supply, install, and connect Pressure Gauge, DN 100, PN 40, to the existing water well outlet, including all needed mechanical accessories. All to the satisfaction of IRL Engineer.	Unit	1		





	Installation of electrical Junction box IP66 in water well manhole, to connect the pump and electrical panel cables, with all needed sleeves and accessories. All to the satisfaction of IRL Engineer.	Unit	1		
Civil Works	Latex washable paint for walls and ceiling: Remove efflorescence, grease/oils, nails, unwanted casing from wall/ceiling surface. Scrape entire wall/ceiling surfaces; fill holes, cracks with paint manufacturer's approved material. Prepare the wall surface to have even and uniform surface After achieving even surface supply and apply two or more coats of approved paint to get level-3 finish on walls and ceiling.	m2	150		
	Supply and install External steel gate, size (170-200 x 200), 3 mm steel metal mesh including metallic main and sub main profiles, 3mm thick galvanized prefabricated 8 x 4 cm steel frames with required slots & brackets for door locks & cylinders, including recess for hinges with required wall thickness. Price to include fixing complete, ironmongery, cylinders, cylindrical locks handles, heavy duty hinges, anchors, dowels, and welding. All as per specifications and instructions of IRL engineer.	Unit	1		
	Restore the painting of existing steel entrance door include scraping to remove the old paint and to be re-painted on-site with two (2) coats of primer paint (anti-rust), followed by two (2) coats of approved material paint. All the work must be done according to specifications the instructions of IRL supervisor engineer.	Unit	1		
Fire extinguisher	Provide and install 12 Kg ceiled powder fire extinguishers of type ABC with automatic sensor detection and all needed accessories.	Unit	3		
Notice Board	Supply, and install a bifacial sign board of galvanized steel with vinyl printings (including concrete and steel works, excavation, equipment, safety signs, labor, etc.) at the site presenting information to the public on the Project and the Employer and further details as will be prescribed by IRL. The sign board should constitute of maximum 12 strips of galvanized steel (6 strips per face of board) of 3 mm thickness of dimensions (4 plates of dimension 2.0m x 0.4 m and rest of 2.0m x 0.3m). The location sign boards at the sites will be indicated by IRL Engineer. Note: The design and exact dimensions will be provided later on by IRL.	Unit	1		
Steel Plate for visibility purpose	Supply, transport, and install a steel plate with vinyl printing of 4 mm thickness and dimensions around (1.6 m x 0.8 m). The location at the site will be indicated by IRL Engineer. Note: The design and exact dimensions will be provided later on by IRL.	Unit	1		
System	Installation, Testing and Commissioning of the systems.	LS	1		
Total Price:					\$





OPTIONAL Items					
Component	Description	Unit	QTY	Price +VAT	Total Price + VAT
Solar Street light	200w Solar LED Street Light features its high photoelectric conversion efficiency and high reliability, high-capacity solar battery, waterproof IP64 rating, with sensor control. Its suitable working temperature is -30°C~60°C, able to apply in nearly all outdoor environment, and made of an approved material.	Unit	6		
Security camera system	Supply, install, test and commission high quality IP CCTV surveillance system along with software, server(s), power supply, power distribution, centralized recording solution with Video Management Software in the water station location. The system includes 4 outdoor cameras of rated IP 66 or higher. All cameras shall be true IP camera, 1080p or higher resolution. All outdoor items for cameras like junction boxes, power supply, media converter etc. shall be in waterproof and dust proof housings. The price should include all needed electrical accessories.	LS	1		
Total Price:					

Note:

- The quantities given in the bill of quantities (BoQs) are the estimated quantities for the required solar system at Qobayat water well.
- The Contractor shall not limit or extend the amount of the work and materials to be supplied and executed by him, prior to IRL approval.
- The Contractor shall be responsible for checking quantities and for making any necessary surveys and investigations prior to placing any order for materials.
- The Contractor must have inspected the Site and shall have included in the provision of any additional works.
- The Contractor shall provide a user guide and an induction to room operator on operation and maintenance





4. AWARD CRITERIA

Criteria المعايير	Scoring النقاط
Must be registered to conduct business and in compliance with government tax Regulations.	Mandatory as Essential criteria without registration and Tax clearance the offer did not consider
Field Visit Supplier is responsible to conduct filed visit to site location at Al Qobayat – Akkar, North Lebanon, to do the needed analysis and estimate prices accordingly. The visit is mandatory and non-participating bidders are considered disqualified.	Field visit is mandatory and essential for bidders to have a clear overview of the site and be able to bid accurately. Thus, bidders that will not conduct filed visit will be disregarded of the selection analysis
Company profile including financial capacity and company capital Company should have good profile with stable financial capacity and good capital.	5%
Working experience with INGO's in general and specifically in particular trades Companies having previous working experience with donors INGOs or NGOs in particular solar water pumping system.	5%
Quality of commodities The solar system items quality to be in line with desirable water pump operational system.	40%
Price Solar system items price should be in line with market prices including supply, installation, loading and offloading to site location.	45%
Schedule Supplier must provide a detailed workplan that ensures a smooth and efficient transition between activities	5%
Total	100





Agency Information:

1	Name of Agency	
2	Name of the Owner and Partner	Owner:
		Partner:
		Partner:
3	Registered Office address	
4	Telephone Number	
5	Email	
6	Company Registration & Tax number (Please attach a copy of the certificate & Tax)	
7	Proof of financial stability such as financial turnover of last three years or bank statement.	2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021 <input type="checkbox"/>
		Bank Statement <input type="checkbox"/>
8	Company Structure including staff name and position in your Company and attached Passport for the Owner and the partners as well	Attached <input type="checkbox"/>
9	Please list any Disputes your Company has been involved in with NGOs/UN Organizations over the last 3 Years	

Reference List

Please provide details of 3 INGO/UN agency /any other entity for whom you have completed contracts for in the last 3 years, willing to provide a reference. If available, attach reference letters.

	Reference 1	Reference 2	Reference 3
Name of Organization/Business			
Title & Name of Contact Person			
Phone:			
E-mail:			
Type of product / service provided to client			





Delivery Time

How many days, from the time of signing the Contract will it take you to start delivery?		عدد الايام ، من وقت توقيع العقد ، ستستغرق لبدء التنفيذ ؟
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Complete Name of the Owner:	
Agency Name:	
Signature:	
Date & Time:	
Contact Number / Address and phone number	
Agency Stamp	

