

REQUEST FOR QUOTATION (RFQ)

RFQ Reference: 4200435202

Date: 29 March 2023

SECTION 1: REQUEST FOR QUOTATION (RFQ) for the provision of Ghat Bord Control Point-27kW PV solar Cells

International Organisation for Migration (IOM) kindly requests your quotation for the provision of goods, works and/or services as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Dates

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer (including all required documentation: time frame, list of equipment, list of similar previous experience, list/CVs of technical staffs, Company profile)

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Site Visit: on 12/04/2023 at 13:00. The site visit is mandatory and failure to attend will be ground for disqualification and for any technical queries, please get in touch with Engineers:

1- Engr. Mohammed Alnaas alnmohammed@iom.int phone number 092-575-0059

Thank you and we look forward to receiving your quotations.

IOM Libya Procurement

SECTION 2: RFQ INSTRUCTIONS AND DATA

Deadline for the Submission of Quotation	20 April 2023 If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/ .
Method of Submission	<p>Quotations must be submitted as follows:</p> <p><input type="checkbox"/> E-tendering <input checked="" type="checkbox"/> Email <input type="checkbox"/> Courier / Hand delivery <input type="checkbox"/> Other</p> <p>Bid submission address: iomlibyaproposal@iom.int</p> <ul style="list-style-type: none"> ▪ File Format: PDF ▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. ▪ All files must be free of viruses and not corrupted. ▪ Max. File Size per transmission: 25MB ▪ Mandatory subject of email: 4200435202 "Company name" ▪ Multiple emails must be clearly identified by indicating in the subject line "email no. X of Y", and the final "email no. Y of Y." ▪ It is recommended that the entire Quotation be consolidated into as few attachments as possible. ▪ The proposer should receive an email acknowledging email receipt.
Cost of preparation of quotation	IOM shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.
Supplier Code of Conduct	All prospective suppliers must read the UN Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: Supplier Code of Conduct (ungm.org) .
Conflict of Interest	UN encourages every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UN if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.
General Conditions of Contract	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the IOM General Conditions of Contract for provision of goods/services/transportation/medical services available at https://www.iom.int/do-business-us-procurement .
Eligibility	<p>Bidders shall have the legal capacity to enter into a binding contract with IOM and to deliver in the country, or through an authorized representative.</p> <p>Valid Company registration documents Bank information Signed /stamped Code of conduct Completed VIS-vendor information sheet Signed /stamped DOC- declaration for conformity</p>
Currency of Quotation	Quotations shall be quoted in USD
Duties and taxes	<p>The International Organization for Migration is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below:</p> <p>All prices shall:</p> <p><input checked="" type="checkbox"/> be inclusive of VAT and other applicable indirect taxes</p>

	<input type="checkbox"/> be exclusive of VAT and other applicable indirect taxes
Language of quotation and documentation including catalogues, instructions, and operating manuals	English
Documents to be submitted	<p>Bidders shall include the following documents in their quotation:</p> <input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed <input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 <input type="checkbox"/> Other
Quotation validity period	Quotations shall remain valid for 60 days from the deadline for the Submission of Quotation.
Price variation	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.
Partial Quotes	<input checked="" type="checkbox"/> Not permitted <input type="checkbox"/> Permitted
Payment Terms	<input type="checkbox"/> 100% within 30 days after receipt of goods, works and/or services and submission of payment documentation. <input checked="" type="checkbox"/> Other 95% after project completion with 5% retention for 3 months
Contact Person for correspondence, notifications and clarifications	<p>Focal Person: IOM LIBYA PROCUREMENT E-mail address: iomlibyaproposal@iom.int Attention: Quotations shall not be submitted to this address but to the address for quotation submission above.</p>
Clarifications	Requests for clarification from bidders will not be accepted any later than 2 days before the submission deadline. Responses to request for clarification will be communicated via email by 10 April 2023
Evaluation method	<input checked="" type="checkbox"/> The contract will be awarded to the lowest price substantially compliant offer <input type="checkbox"/> Other Click or tap here to enter text.
Evaluation criteria	<input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1 <input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract <input type="checkbox"/> Comprehensiveness of after-sales services <input checked="" type="checkbox"/> Earliest Delivery /shortest lead time <input checked="" type="checkbox"/> Delivery Lead Time. <input checked="" type="checkbox"/> Team composition and CVs of key personnel <input checked="" type="checkbox"/> List of the equipment <input checked="" type="checkbox"/> Company profile
Right not to accept any quotation	IOM is not bound to accept any quotation, nor award a contract or Purchase Order
Right to vary requirement at time of award	At the time of award of Contract or Purchase Order, IOM reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum 25% of the total offer, without any change in the unit price or other terms and conditions.
Type of Contract to be awarded	Construction service agreement
Expected date for contract award.	20 May 2023
Policies and procedures	This RFQ is conducted in accordance with Policies and Procedures of IOM
UNGM registration	IOM is encouraging all suppliers to register at the United Nations Global Marketplace (UNGM) website at www.ungm.org . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award of USD 100,000 and above, the Bidder is recommended to register on the UNGM prior to contract signature. For vendors who do not have the technical means to register in UNGM, the UNGM has implemented an assisted vendor registration functionality that allows IOM procurement personnel to add local vendors to the UNGM.

ANNEX 1: SCHEDULE OF REQUIREMENTS

Technical Specifications for Works:

Mandatory site visit on 12/April/2023			
Item No	Minimum technical requirements (Ghat Bord Control Point)	Unit	QTY
1	Ghat Bord Control Point-27kW PV solar Cells	EA	1

Delivery Requirements

Delivery Requirements	
Delivery date and time	Bidder shall deliver the work based on the delivery schedule provided After Contract signature.
Delivery Terms (INCOTERMS 2020)	DAP – Delivered at place
Customs clearance (must be linked to INCOTERM)	<input checked="" type="checkbox"/> Not applicable Shall be done by: <input type="checkbox"/> Name of organisation <input type="checkbox"/> Supplier/bidder <input type="checkbox"/> Freight Forwarder
Exact Address(es) of Delivery Location(s)	Tripoli Main Port
Distribution of shipping documents (if using freight forwarder)	N/A
Packing Requirements	N/A
Training on Operations and Maintenance	N/A
Warranty Period	All equipment shall have 1-year warranty
After-sales service and local service support requirements	N/A
Preferred Mode of Transport	Land
Other information	Contractors should provide their experience in drilling water wells is mandatory and that they are a registered construction and drilling company.

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:		
RFQ reference:	RFQ 4200435202	Date:

VENDOR INFORMATION SHEET¹



VIS-Form.pdf

Please fill and sign the attached form

BIDDER'S DECLARATION OF CONFORMITY²

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I hereby represent and warrant that neither the Supplier, nor any person having powers of representation, decision-making or control over it or any member of its administrative, management or supervisory body, has been the subject of a final judgement or final administrative decision for one of the following reasons: bankruptcy, insolvency or winding-up procedures; breach of obligations relating to the payment of taxes or social security contributions; grave professional misconduct, including misrepresentation, fraud; corruption; conduct related to a criminal organisation; money laundering or terrorist financing; terrorist offences or offences linked to terrorist activities; child labour and other trafficking in human beings, any discriminatory or exploitative practice, or any practice that is inconsistent with the rights set forth in the Convention on the Rights of the Child or other prohibited practices; irregularity; creating or being a shell company.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier is financially sound and duly licensed.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier has adequate human resources, equipment, competence, expertise and skills necessary to complete the contract fully and satisfactorily, within the stipulated completion period and in accordance with the relevant terms and conditions.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier complies with all applicable laws, ordinances, rules and regulations.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier will in all circumstances act in the best interests of IOM.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that no official of IOM or any third party has received from, will be offered by, or will receive from the Supplier any direct or indirect benefit arising from the contract.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier has not misrepresented or concealed any material facts during the contracting process.

¹ [Vendor Information Sheet.xlsx](#)

² This form is mandatory to fill in and sign by every vendor who submits quotation

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier will respect the legal status, privileges and immunities of IOM as an intergovernmental organization.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that neither the Supplier nor any persons having powers of representation, decision-making or control over the Supplier or any member of its administrative, management or supervisory body are included in the most recent Consolidated United Nations Security Council Sanctions List (the “UN Sanctions List”) or are the subject of any sanctions or other temporary suspension. The Supplier will immediately disclose to IOM if it or they become subject to any sanction or temporary suspension.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier does not employ, provide resources to, support, contract or otherwise deal with any person, entity or other group associated with terrorism as per the UN Sanctions List and any other applicable anti-terrorism legislation.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that, the Supplier will apply the highest ethical standards, the principles of efficiency and economy, equal opportunity, open competition and transparency, and will avoid any conflict of interest.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier undertakes to comply with the Code of Conduct, available at https://www.ungm.org/Public/CodeOfConduct .
<input type="checkbox"/>	<input type="checkbox"/>	It is the responsibility of the Supplier to inform IOM immediately of any change to the information provided in this Declaration.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I certify that I am duly authorized to sign this Declaration and on behalf of the Supplier I agree to abide by the terms of this Declaration for the duration of any contract entered into between the Supplier and IOM.
<input type="checkbox"/>	<input type="checkbox"/>	IOM reserves the right to terminate any contract between IOM and the Supplier, with immediate effect and without liability, in the event of any misrepresentation made by the Supplier in this Declaration.

Signature: _____

Name:

Title:

Date:

ANNEX 3: TECHNICAL AND FINANCIAL OFFER - WORKS

Bidders are requested to complete this form, sign it and return it as part of their quotation along with Annex 2 Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:		
RFQ reference:	RFQ 4200435202	Date:

Technical Offers

Provide the following:

- a brief description of your qualification and capacity that is relevant to the Scope of Works;
- a brief method statement and implementation plan;
- team composition and CVs of key personnel

Financial Offer

Description of Works	UOM	s	Unit Price	Total Price
Ghat Bord Control Point-27kW PV solar Cells		1		
Total				

Compliance with Requirements

	You Responses		
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter proposal
Delivery Lead Time	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Validity of Quotation	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Other requirements [pls. specify]	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
<i>Exact name and address of company</i> Company Name: Click or tap here to enter text. Address: Click or tap here to enter text. Click or tap here to enter text. Phone No.: Click or tap here to enter text. Email Address: Click or tap here to enter text.	Authorized Signature: Date: Click or tap here to enter text. Name: Click or tap here to enter text. Functional Title of Authorised Signatory: Click or tap here to enter text. Email Address: Click or tap here to enter text.

BILL OF QUANTITIES

Ghat - Yesseyen BCP 27KW PV Solar System Project

Location: Ghat BCP - Libya

Estimated Duration: 60 Days

#	DESCRIPTION	UNIT الوحدة	QTY. الكمية	UNIT Price سعر الوحدة (USD)	TOTAL Price السعر الاجمالي (USD)	الوصف	#
	Solar Power System						
1	<p>General</p> <p>The system is designed to cover the loads in Ghat BCP and the system will be grid interactive connected with battery backup system, which will allow many power sources options.</p> <p>The system will import from the grid when loads are being more than the generated from PV and supply surplus electricity to the batteries when PV generates more than the loads, the batteries can be charged from Grid if PV output is not enough for loads and batteries.</p> <p>The Contractor shall perform a detailed engineering site survey to acquire all necessary information for preparation of design documentation.</p> <p>Contractor shall submit shop drawings for all architectural, civil, electrical and a complete photovoltaic solar system works, including a single line diagram showing all the components of the PV system, DC and AC distribution boards, PV Arrays lay out and battery backup systems connections and cables, wires cross section for all the system to be approved by the Engineer before executing the work.</p> <p>Contractor shall submit the catalogs of each component showing the requested specifications stated at the bill of quantity.</p> <p>The contractor shall provide a manufacturing test certificate, country of origin, test performance curves, spare parts (as recommended by the manufacturer), maintenance manuals, and a manufacturer's warranty for each component of the system.</p> <p>As- Built drawings must be submitted before hand over the site.</p> <p>Upon completion of the installation, the contractor shall organize an on-site training program for the purpose of operation and maintenance and should be implemented during the commissioning phase. The cost of training is included in the bid price.</p> <p>Construction works including materials needed and fabrication, as well as removal of unwanted materials to dump sites should be included in the bid price.</p> <p>All electrical work shall be carried out in accordance with IEC standards and specifications and the instructions of the supervising engineer.</p> <p>The contractor shall arrange all required safety measures, signage, and protection around site.</p>				<p>عام</p> <p>تم تصميم النظام لتغطية الأحمال الكهربائية في البوابة الحدودية غات وسيكون النظام متصلاً بالشبكة الكهربائية العمومية مع نظام البطاريات الاحتياطي مما سيسمح بالعديد من خيارات مصادر الطاقة</p> <p>سيتمتع النظام من الشبكة عندما تكون الأحمال أكثر من الطاقة المولدة من الخلايا الشمسية والبطاريات تشحن من الألواح الشمسية من الكهرباء الفائضة عندما تكون الطاقة المنتجة من الألواح الشمسية أكثر من حاجة الأحمال ، ويمكن شحن البطاريات من الشبكة إذا كانت الطاقة المنتجة من الألواح الشمسية غير كافية للأحمال ولشحن البطاريات</p> <p>يجب على المقاول إجراء مسح تفصيلي للموقع الهندسي للحصول على جميع المعلومات اللازمة لإعداد مستندات التصميم</p> <p>يجب على المقاول تقديم المخططات التنفيذية لجميع الأعمال المعمارية والمدنية والكهربائية وأنظمة الطاقة الشمسية الكهروضوئية الكاملة ، بما في ذلك مخطط أحادي الطور يوضح جميع مكونات النظام الطاقة الشمسية ولوحات توزيع التيار المستمر والتيار المتردد وألواح الطاقة الشمسية</p> <p>وتوصيلات أنطام البطاريات الاحتياطي و الكابلات وامساحة مقطع الاسلاك الكهربائية لجميع النظام على أن يعتمدها المهندس قبل تنفيذ الأعمال</p> <p>يجب على المقاول تقديم كتالوجات لكل مكون توضح المواصفات الفنية لكل للمواد المذكورة في كراسة الكميات</p> <p>يجب على المقاول تقديم شهادة اختبار التصنيع ، وبلد المنشأ ، ومنحنيات اختبار الأداء ، وقطع الغيار (على النحو الموصى به من قبل الشركة المصنعة) ، كتيبات الصيانة ، وضمان الشركة المصنعة لكل مكون من مكونات النظام</p> <p>كما يجب تقديم الرسومات النهائية قبل انتهاء الاعمال و تسليم الموقع</p> <p>عند الانتهاء من التركيب ، يجب على المقاول تنظيم برنامج تدريب في الموقع لغرض التشغيل والصيانة ويجب تنفيذه خلال مرحلة الاختبارات والتشغيل. يتم تضمين تكلفة التدريب في سعر العطاء</p> <p>يجب تضمين أعمال البناء بما في ذلك كل المواد اللازمة لذلك وكذلك أعمال التركيبات وكذلك نقل المواد الغير مرغوب فيها إلى المكب العام على أن يتم تضمين التكلفة في سعر العطاء</p> <p>يجب تنفيذ جميع الأعمال الكهربائية وفقاً لمعايير ومواصفات العالمية المعمول بها وتعليمات المهندس المشرف</p> <p>يجب على المقاول ترتيب جميع تدابير السلامة والافتات التنبيه والحماية المطلوبة حول المواقع</p>		

BILL OF QUANTITIES

Ghat - Yesseyen BCP 27KW PV Solar System Project

Location: Ghat BCP - Libya

Estimated Duration: 60 Days

#	DESCRIPTION	UNIT الوحدة	QTY. الكمية	UNIT Price سعر الوحدة (USD)	TOTAL Price السعر الاجمالي (USD)	الوصف	#
1.1	<p>PV Modules – 27 KWp Supply, install, connect and operate Mono Crystalline or Polycrystalline Photovoltaic Solar Modules with all material needed to have complete job ready for installing high quality PV modules with total arrays capacity to achieve 27 KWp. The item Includes supply, install & connect the following:</p> <ul style="list-style-type: none"> Water proof PV junction boxes IP65 for each array including DC Fuses, bus bars terminals, ducts or trays, supports & labels suitable to the PV arrays loads. Solar DC cables appropriately sized to connect the PV solar cells together and to the J.B and from J.B 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%. The contractor has to obtain 27 kwp from PV system as minimum. In case the proposed PV modules results in extra kw than this is deemed to be accounted for the proposed ratio. Contract will be pay only 27 kwp. 	No	58			<p>الألواح الشمسية - 27 كيلوواط توريد وتركيب وتوصيل وتشغيل الواح الطاقة الشمسية الكهروضوئية أحادية البلورية أو متعددة الكريستالات مع جميع المواد اللازمة للحصول على منظومة متكاملة جاهزة لتثبيت وحدات الألواح الشمسية عالية الجودة لتحقيق سعة اجمالية 27 كيلوواط. يتضمن البند توريد وتركيب وتوصيل ما يلي:</p> <ul style="list-style-type: none"> صناديق التوصيل الخاصة بالخلايا الكهروضوئية الشمسية المقاومة للماء IP65 لكل لوح شمسي ويشمل فيوزات الحماية التيار المستمر , قضبان التوصيل. نهايات التوصيل, مجرى الكوابل و حاملات الكوابل, الدعائم و الترقيم المناسب لأحمال الألواح الشمسية. تعيين أحجام كوابل التيار المستمر الخاصة بالخلايا الشمسية الشمسية بحيث تكون ذات الحجم المناسب لتوصيل الخلايا الشمسية الكهروضوئية مع بعضها البعض ومنها الى صندوق توصيل ومن صندوق التوصيل إلى الانفيرتر مباشرة للحصول على دائرة تشغيلية كاملة شاملة انابيب بي في سي والمشابك. حاملة الكوابل ونهايات الكوابل التي يجب أن تكون موصلات نوع مقبس ومقبس تيار مستمر. يجب أن يكون حجم كوابل التيار المستمر وفقاً لمتطلبات التركيب المطبقة في الموقع ، وانخفاض الجهد المسموح به لكابلات التيار المستمر بين الألواح الشمسية والانفيرتر أقل من 1٪. يجب على المقاول الحصول على 27 كيلوواط من منظومة الألواح الشمسية كحد أدنى. في حالة ما إذا كانت الوحدات الكهروضوئية المقترحة تؤدي إلى كيلوواط إضافي من هذا ، فسيتم احتسابه على أساس القيمة المقترحة و سيتم يدفع للمقاول على أساس 27 كيلوواط فقط 	1.1
1.2	<p>FRONIUS SYMO 20KW THREE PHASE SOLAR INVERTERS Supply, install, connect and operate FRONIUS SYMO 20KW THREE PHASE SOLAR INVERTER or equivalent • DC input voltage range (Udc min - Udc max): 200-1000V, 2MPPT (Maximum Power Point Tracker), Remote Control Unit (RC Unit), Reverse Polarity, Short-Circuit, Overvoltage, Undervoltage, and Over-Discharge Protection Devices. and all necessary including automatic transfer control Panel, electrical cables and data communication unit with Ethernet connection, connectable in parallel and modularly extendable. 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 allowable voltage drop for DC cables between inverters and PV system not more than 1%..</p>	Set	2			<p>انفيرتر ثلاثي الأطوار نوع FRONIUS SYMO 20KW توريد وتركيب وتوصيل وتشغيل انفيرتر ثلاثي الأطوار 20 كيلووات نوع FRONIUS SYMO أو مايكافنه نطاق جهد دخل التيار المستمر 200 -1000 فولت، 2MPPT يشمل وحدة التحكم عن بعد (وحدة RC) حمايات لعكس القطبية ، قصر الدائرة. وحماية من الجهد الزائد والجهد المنخفض والإفراط في التفرغ.</p> <p>وكل ما يلزم بما في ذلك (لوحة مفتاح القلاب الأوتوماتيكي) ، والكوابل الكهربائية ووحدة اتصالات البيانات بالإنترنت ، قابلة للتوصيل على التوازي وقابلة للزيادة وحدات إضافية. والتوصيلات لكل كوابل التيار المستمر المستمر بالحجم المناسب وفقاً لمتطلبات أعمال التركيبات لتوصيل الانفيرترات بمنظومة الألواح الكهروضوئية المصممة والتي تشمل كل الانابيب. مجاري الكوابل. المشابك. حاملات الكوابل ونهايات الكوابل التي يجب أن تكون نوع مقبس تيار مستمر (ذكر إنتي) للحصول على مهمة كاملة ، انخفاض الجهد المسموح به لكوابل التيار المستمر بين الانفيرترات ومنظومة الألواح الشمسية لا تزيد عن 1%</p>	1.2

BILL OF QUANTITIES

Ghat - Yesseyen BCP 27KW PV Solar System Project

Location: Ghat BCP - Libya
Estimated Duration: 60 Days

#	DESCRIPTION	UNIT الوحدة	QTY. الكمية	UNIT Price سعر الوحدة (USD)	السعر TOTAL Price الاجمالي (USD)	الوصف	#
1.3	Supply and install Battery inverter/charger 8000 VA Quattro from Victron or equivalent inverter/charger will automatically connect to the active source. Two Ac output, the main output has no-break functionality. In the event of a grid failure or generator power being disconnected, the inverter/charger should takes over the supply to the connected loads. This should happens so fast (less than 20 milliseconds) that computers and other electronic equipment will continue to operate without disruption. The second output is live only when AC is available on one of the inputs of the inverter/charger. Loads that should not discharge the batteries, such as air-conditioning or a water heater can be connected to this output.	NO	3			توريد وتركيب انفيرتر/ شاحن البطاريات 8000 VA Quattro من شركة Victron أو ما يكافئه. الشاحن/انفيرتر يتصل تلقائياً بالمصدر النشط. مخرجان للتيار المتردد ، المخرج الرئيسي له خاصية عدم الانقطاع في حالة تعطل الشبكة ، أو انقطاع التيار الكهربائي من المولد ، يجب أن يتولى انفيرتر / الشاحن امداد الطاقة للأحمال المتصلة. يجب أن يحدث هذا بسرعة كبيرة (أقل من 20 مللي ثانية) بحيث تستمر أجهزة الكمبيوتر والأجهزة الإلكترونية الأخرى في العمل دون انقطاع. يكون المخرج الثاني عليه كهرباء فقط عندما يكون التيار المتردد متاحاً على أحد مداخل الشاحن/انفيرتر. يمكن توصيل الأحمال التي لا ينبغي أن تفرغ البطاريات ، مثل مكيفات الهواء أو سخانات المياه بهذا المخرج.	1.3
1.4	Batteries Bank -Pylontech or equivalent– 2.4 kWh – 48V Supply, install, connect and operate Pylontech – 2.4 kWh – 48V batteries. The batteries must provide high-quality and achieving superior performance including all necessary DC cables, conduits, clamps, stainless steel bolts, washers and cable end terminations and all needed materials to complete the job. All DC cables must be sized in accordance with the installation requirements applicable on site ,the allowable voltage drop must be less than 1%. Battery Banks rack from the same manufacturer of the batteries with dividers and all needed accessories to finish the job. the rack must be enough to carry all the weight of the required batteries for the system. All batteries are accommodated inside air-conditioned prefab room with adequate size and proper ventilation specially designed to accommodate all components of the system including inverters, chargers and electrical panels.	NO	20			بنك البطاريات(Pylontech – 2.4 kWh – 48V) أو ما يكافئه توريد وتركيب وتوصيل وتشغيل ، بطاريات نوع 2.4 ، (Pylontech – 2.4 kWh – 48V) كيلو وات ساعة ، 48 فولت ويجب أن توفر البطاريات جودة عالية وتحقق أداءً فائقاً تشمل جميع كوابل التيار المستمر ، انابيب ومجاري الكوابل ، المشابك، والمسامير الفولاذية المقاومة للصدأ والحلقات، ونهايات الكوابل وجميع المواد اللازمة لإكمال المهمة. يجب أن يكون مساحة مقطع جميع كوابل التيار المستمر وفقاً لمتطلبات التركيب المطبقة في الموقع ، ويجب أن يكون انخفاض الجهد المسموح به أقل من 1٪. أرفف البطاريات يجب أن تكون من نفس الشركة المصنعة للبطاريات مع فواصل وجميع الملحقات اللازمة لإنهاء المهمة. يجب أن تكون الأرفف كافية لتحمل كل وزن البطاريات المطلوبة للنظام. تسكن جميع البطاريات داخل غرفة جاهزة ومكيفة الهواء ذات حجم مناسب وتهوية مناسبة مصممة خصيصاً لاستيعاب جميع مكونات النظام بما في ذلك الانفيرترات والشواحن واللوحات الكهربائية.	1.4
1.5	PV Mounting structure Supply and install Module mounting structure from hot galvanized steel Angles foundation suitable to the dimension of selected PV modules and PV numbers, the mounting provides a fixed inclination of the modules 26-30 degree with vertical supports, plates, screws and casting concrete foundations (0.4X0.4X0.4) m3 for each leg. The mounting structures and the foundations must be structurally designed to be suitable to withstand all static loads (weight of modules, wind loads, etc.) that might occur according to the site conditions. All works and materials must be according to drawings, specifications and supervising engineer instructions and approval	L.S	1			هيكل تركيب الخلايا الشمسية توريد وتركيب هيكل تركيب ألواح الخلايا الشمسية من فولاد المجلفن المناسبة لأبعاد الألواح الشمسية المختارة وأعدادها ويوفر التثبيت ميلاً ثابتاً للوحدات 26-30 درجة مع الدعامات الرأسية والألواح والبراغي وصب القواعد الخرسانية (0.4 X0.4X0.4) م لكل رجل. يجب أن تكون القواعد الخرسانية والهيكل التثبيت مصممة لتكون مناسبة لتحمل جميع الأحمال الساكنة (وزن الوحدات ، وأحمال الرياح ، وما إلى ذلك) التي قد تحدث وفقاً لظروف الموقع. يجب أن تكون جميع الأعمال والمواد طبقاً للرسومات والمسافات وتعليمات المهندس المشرف واعتماده	1.5
1.6	Earthing System Supply,install,connect complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2 ohm max resistance. the item includes (all required copper electrodes 150mm long driven into ground to achieve the resistance low than 2 ohm, manholes with iron cover, earth joints, clamps, ducts , conduits and 25 mm2 flexible earthing copper wires and cables from the AC system components to the electrode to complete the system as spacifications and supervising engineer instructions and approval.	L.S	1			نظام التأسيس توريد وتركيب وتوصيل نظام تأسيس مستقل كامل للنظام الشمسي الكهروضوئي ، يجب فصله عن نظام التأسيس الرئيسي للحصول على مقاومة 2 أوم كحد أقصى. يتضمن البند (جميع قضبان التأسيس النحاسية المطلوبة بطول 150 مم تدفن في الأرض لتحقيق مقاومة أقل من 2 أوم ، غرف التأسيس بغطاء حديدي ، مرابط التوصيل ، انابيب مجرى الكوابل PVC و كوابل نحاسية أرضية مرنة بمساحة مقطع 25 مم ² للتوصيل من مكونات المنظومة إلى قضيب التأسيس لإكمال النظام وفقاً للمواصفات وتعليمات واعتماد المهندس المشرف.	1.6

BILL OF QUANTITIES

Ghat - Yesseyen BCP 27KW PV Solar System Project

Location: Ghat BCP - Libya

Estimated Duration: 60 Days

#	DESCRIPTION	UNIT الوحدة	QTY. الكمية	UNIT Price سعر الوحدة (USD)	TOTAL Price السعر الاجمالي (USD)	الوصف	#
1.7	<p>Testing, Commissioning & Startup The site work includes testing, commissioning, and startup of all related electrical works. The price shall include the supply and installation of all needed materials and work and provide all missing parts like electrical boards, missing cables, and circuit breakers (DC and AC), junction boxes, cable trays, and PVC conduits; fix all the system defects to ensure safe operation; all in accordance with the requirements of the relevant standards and the engineer's instructions.</p>	L.S	1			<p>اختبار بدء التشغيل والتشغيل العمل يشمل اختبارات بدء التشغيل , والتشغيل لجميع الأعمال الكهربائية المتعلقة بالعمل في الموقع ويشمل السعر توريد وتركيب جميع المواد اللازمة والأعمال وتوفير جميع الأجزاء الناقصة مثل اللوحات الكهربائية والكابلات الناقصة وقواطع التيار (AC). صناديق التجميع، حاملات الكوابل، انابيب PVC، إصلاح جميع عيوب النظام لضمان التشغيل الآمن كل ذلك وفقاً لمتطلبات الفنية ذات الصلة وتعليمات المهندس</p>	1.7
TOTAL PRICE IN LUMP SUM (USD)						القيمة الاجمالية بالدولار	
<p align="center">ALL THE CONSTRUCTION MATERIALS SHOULD BE BRAND NEW AND TESTED ACCORDING TO CONSTRUCTION WORKS SPECIFICATIONS BY TSE AND INSTRUCTION OF SITE ENGINEER.</p>							
<p align="center">IN CASE OF ANY DIFFERENCE BETWEEN BoQ AND DESIGNS, THE INSTRUCTION OF SUPERVISOR ENGINEER WILL PREVAIL.</p>							



Code of Conduct for Suppliers

Field Procurement Unit
Manila Administrative Centre, Manila Philippines

IOM is strongly committed in observing the highest ethical standards in all its procurement activities. As such, this Code of Conduct for Suppliers has been prepared to provide clear summary of IOM's expectation from the suppliers in all procurement dealings, ensuring that internationally recognized procurement ethics are followed. Transparency and accountability should be strictly adhered to in all procurement activities.

IOM procurement ethics focuses on **zero tolerance on corruption, avoiding any form conflict of interest and honest representation of supplier's capabilities.**

Suppliers are strongly urged to familiarize themselves with this Code of Conduct to ensure successful working relations with IOM.

Policy on Corruption and Position on Conflict of Interest

IOM expects all contracted suppliers and companies seeking to sell goods or services to conduct their business in accordance with the highest ethical standards. Suppliers or potential suppliers must strictly comply with all rules and regulations on bribery, corruption and avoid unacceptable business practices. Hence suppliers are expected to observe the following:

- Shall not, directly or indirectly, offer to any IOM Staff money, goods or a service as a consideration or in expectation of a favorable decision, information, opinion, recommendation, vote or any other form of favoritism which qualifies as a corruption;
- Shall not directly or indirectly, offer, give or agree or promise to give to any IOM staff any gratuity for the benefit of/or at the direction or request of any Staff of IOM;
- To immediately inform the IOM Head of Office in the event that any Staff of IOM solicits or obtained or has made an attempt to obtain gratification for himself/herself or for any other persons.
- To immediately declare if any of the Company's staff and/or officers had or have any relative employed with IOM. Failure to make such declaration shall be construed as a conflict of interest and might result in the exclusion of the supplier from present and future procurement activities and/or other legal action as deemed fit by the Organization.

Representation from Suppliers

IOM expects all its suppliers to honestly declare and warrant that:

- It will comply with all rules, regulations and statutory requirements relating to the provision of the products/ services to IOM;
- It will not act in concert with other suppliers or agents when participating in a bid;



IOM • OIM

Code of Conduct for Suppliers

Field Procurement Unit

Manila Administrative Centre, Manila Philippines

- It is a duly authorized/certified provider of the supplied products/services and shall not, expressly or impliedly hold itself out to be an agent/representative of a third party provider of the same products/services;
- It will only supply products that are certified to be of merchantable and satisfactory quality;
- The supplier possesses the necessary capabilities, equipment and suitable place of business to perform its obligations;
- It shall not contract out or subcontract or outsource any portion of the products/services unless prior written consent from IOM has been obtained; and
- It shall maintain the highest standards of integrity and quality of work at all times.

Applicability of the Code of Conduct

This Code of Conduct shall apply to all Suppliers, sub-contractors and to other entities acting on behalf of them (with approval of IOM).

Monitoring compliance to the Code of Conduct

To facilitate the monitoring of suppliers' compliance with this Code of Conduct, IOM expects suppliers to:

- Develop and maintain all necessary documentation to support compliance with the described standards; such documentation must be accurate and complete;
- Provide IOM's representatives with access to relevant records, upon IOM's request;
- Allow IOM's representatives to conduct interviews with the supplier's employees and with management separately;
- Allow IOM's representatives to conduct announced and unannounced site visits of supplier locations; and
- Respond promptly to reasonable inquiries from IOM's representatives in relation to the implementation of the Code of Conduct.

Secure Communication Channels

IOM has established a secure communication channel to enable the suppliers to raise their concerns confidentially and responsibly. If the supplier has questions about the Code of Conduct or wishes to report a questionable behavior or possible violation of the Code of Conduct, the Supplier is encouraged and should contact IOM Field Procurement Unit at email address fpu@iom.int or at:

IOM Manila Administrative Centre
Field Procurement Unit
28th Floor Citibank Tower
8741 Paseo de Roxas, Makati City 1226, Philippines



Code of Conduct for Suppliers

Field Procurement Unit

Manila Administrative Centre, Manila Philippines

IOM will not tolerate any retribution or retaliation by anyone against a concerned Supplier who has, in good faith, sought out advice or has reported questionable behavior and/or a possible violation. IOM will take disciplinary action up to and including termination of contract for anyone who threatens or engages in retaliation, retribution or harassment of the concerned individual. Identities and contents of all information or complaints will be treated strictly confidential.

SANCTIONS

Breach of the Code of Conduct may result in actions being invoked against that supplier, in addition to any contractual or legal remedies. The actions applied will depend on the nature and seriousness of the breach and on the degree of commitment shown by the supplier in breach to its obligations under the Code of Conduct. The range of actions available to be imposed on the supplier includes but is not restricted to the following:

- Formal warnings – that the continued non-compliance will lead to more severe actions;
- Disclosure of nature of breach to all IOM subsidiaries and associate companies;
- Immediate termination of contract, without recourse;

Acknowledgment and Acceptance, to be submitted together with VIS(Vendor Information Sheet)

This is to certify that I have fully read the Supplier's Code of Conduct attached. Having fully read and understood the completed requirement of this Supplier's Code of Conduct, I hereby commit myself and my company to serve this Code of Conduct and to fully comply with all of its principles. I also certify that I am authorized by my company to sign and accept this document in its behalf.

Supplier:
Address:
Representative:
Signature:
Date:



VENDOR INFORMATION SHEET

Vendor No. _____
Internal to IOM

Registered Vendor Name*: _____

Other Names/Acronyms _____

Address* _____

House No _____

Street Name _____

ZIP/Postal Code* _____

City* _____

Region* _____

Country* _____

Contact Information

Company Tel/Mobile: _____ Contact Person: _____

Company Email: _____ Contact Person Position: _____

Company Website: _____

- Industry Category*: 0100 - Commercial Vendors, 0200 - National CSOs, 0300 - National Government Entities, 0400 - International CSOs, 0500 - International Organizations - Non-UN, 0600 - UN entities, 0005 - Individual Consultant/Non-Staff

- Business Type*: Direct Producer/Manufacturing, Reseller/Distributor/Service Provider

Provide Services/Goods Internationally* Yes No

Disability-inclusive* Yes Not applicable

- Women-owned/controlled* At least 51% women-owned/controlled, Less than 51% women-owned/controlled, Not applicable

Notes: All fields marked with * are mandatory. The form may be returned if mandatory fields are missing/incorrect or in the wrong format (esp. Zipcode). Vendor Name - should match IDs or registration documents. If there is insufficient space, please use the Other information section

Product Categories (check all applicable)*

- Agriculture, Livestock and Fisheries, Chemicals, Clothing and Luggage, Construction, Consultancy and Contracted Services, Finance and Administration, Food and Beverage, Fuels and Derivatives, Furniture, Hospitality, Events, Insurances, IT and Communications, Land and Buildings, Learning, Training and Recreation, Legal and Investigation, Logistics and Warehousing, Media and Printing, Medical, Drugs and Pharma, NFIs - Household and Camps, Office Equipment and Supply, Personal Care, Power Supply and Electric, Quality Control and Environment, Security, Social and Humanitarian Services, Tickets, Tools and Machinery, Vehicles and Accessories

UNGM No. _____ https://www.ungm.org/UNUser/Home

UN Partner Portal Reference _____ https://www.unpartnerportal.org

Registration Date _____ Main Country of Operations (dd-mmm-yyyy)

Licensing Auth./Type _____ License No.: _____ Reg. Date: dd-mmm-yyyy Expiry Date: dd-mmm-yyyy

Partner Entities (indicate if there are other relevant business partner accounts already registered in IOM. Format: Account Number-Name)

Same entity registered in another office _____

Parent company _____

Subsidiaries/Branches _____

Other Information:



VENDOR INFORMATION SHEET

Section II: Payment and Banking Information

Payment Details

Payment Method* Bank Transfer Check** Cash** Others** _____

Justification for Non-Bank Payment Method** _____

Notes

Payment currency of the vendor MUST be clearly marked in order to avoid additional bank charges and/or delay in payments.
Non-bank payment methods require justification.

Bank Details (mandatory if Payment Method is via Bank Transfer):

Bank Name _____

Bldg and Street _____

City _____

Postal Code _____

Country _____

Bank Account Name _____

Bank Keys _____

Account Currency _____

Bank Account No. _____

*Depending on the country _____

Swift Code/BIC (accounts outside U.S.A.) _____

IBAN Number (mandatory for banks in Europe) _____

Clearing No. (CHF accounts in Switzerland) _____

ABA No. for ACH (USD accounts in U.S.A.) _____

Bank Branch Code _____

Notes

If there are multiple bank accounts, please add an extra sheet, and mark the default bank account.

If awarded, please submit ID/Registration, signed IOM Supplier Code of Conduct and Proof of Banking Details to IOM

I hereby certify that the information above are true and correct. I am also authorizing IOM to validate all claims with concerned authorities.

Printed Name

Signature

Position/Title

Date