



11 August 2020

*IOM Libya Mission***Request for Expression of Interest**

The International Organization for Migration (IOM) is an intergovernmental humanitarian organization established in 1951 and is committed to the principle that humane and orderly migration benefits both migrants and society.

In the framework of *MIDAS Border Control Projects*, IOM now invites Expression of Interest from Companies/Service Providers for the following services and works:

- a) Assessment, Study and Design of Two (2) Hybrid Solar Power System Requirements in Ras Jdir and Wazen Border Control Points.
- b) Build/Construction of Two (2) Hybrid Solar Power System Requirements in Ras Jdir and Wazen Border Control Points – based on the approved study/design.

Please refer to *Annex 1-Solar Power Requirements Technical Guidelines* for more technical details.

This document contains instructions on the preparation and submission of the Application including Annex A: Bidder's Information.

1. The Application must be submitted electronically through e-mail to [iomlibyaproc@iom.int](mailto:iomlibyaproc@iom.int) copying [gpcostes@iom.int](mailto:gpcostes@iom.int) no later than *27 August 2020 at 17.00 Hours*. Late Application will not be considered.
2. A detailed description must be provided on how the requirements specified in this document match the capability, experience, knowledge and expertise of the Company/Service Provider.
3. The Application e-mail subject should be "*Application – LY20-101 – Company Name*" and e-mail size should be less than 10Mb as IOM servers will reject any email above 10Mb. In case if the size of email is more, files can be shared through electronic file sharing websites or with multiple email.
4. The Application must be submitted in the English language and in the format prescribed by IOM. All required information must be provided, responding clearly and concisely to all the points set out. Any application which does not fully and comprehensively address this Request for Expression of Interest may be rejected.
5. The Application document should comprise of the following:
  - a. Cover Letter;
  - b. A copy of this Request for Expression of Interest duly signed on all pages by the Company/Service Provider's Authorized Representative; and
  - c. Duly Accomplished Annex A with All requested information.
6. Companies/Service Providers requiring any clarifications on the content of this document may notify the IOM in writing at the following email address: [iomlibyaproc@iom.int](mailto:iomlibyaproc@iom.int) and

*gpcostes@iom.int*. IOM will respond to any request for clarification received on or before *25 August 2020 at 17.00 hours*.

7. Applications shall be evaluated in accordance with the following criteria:
  - a. Technical Capacity to do;
    - i. Assessment, Study and Design of 2 Hybrid Solar Power Systems
    - ii. Build/Construction of 2 Hybrid Solar Power Systems
  - b. Track Record and Experience in Designing and Installing Hybrid Solar Power System
  - c. Technical Expertise in Solar Energy
  - d. Financial Strength

Only eligible and qualified Companies based on above shall be invited to participate in the bidding/tender process.

8. Applications may be modified or withdrawn in writing, prior to the closing time specified in this Request for EoI. Applications shall not be modified or withdrawn after the deadline.
9. The Company/Service Provider shall bear all costs associated with the preparation and submission of the Application and IOM will not in any case be responsible and liable for the costs incurred.
10. All information given in writing to or verbally shared with the Company/Service Provider in connection with this Request for EoI is to be treated as strictly confidential. The Company/Service Provider shall not share or invoke such information to any third party without the prior written approval of IOM. This obligation shall continue after the procurement process has been completed whether or not the Company/Service Provider is successful.
11. IOM reserves the right to accept or reject any Application, and to cancel the procurement process and reject all Applications, at any time without thereby incurring any liability to the affected Companies/Service Providers or any obligation to inform the affected Companies/Service Providers of the ground for IOM's action.

## ANNEX A: BIDDERS INFORMATION

### TABLE 1 – GENERAL INFORMATION

- Name of the Company
- Address
- Phone Number
- Fax Number
- Email Address
- Address of Other Offices, if any
- Name and Designation of the Contact Person
- Legal Status (*Provide certified copies of Registration*)
- Registration number
- Place of Registration
- Principal place of business
- VAT Registration number

**Provide certified copies**

### TABLE 2 – COMPANY EXPERIENCE IN LAST THREE YEARS

- Starting Month/ Year
- Ending Month / Year
- Client
- Description of services
- Contract Amount

Remarks (Provide **documentary evidence**)

### TABLE 3 – SIMILAR EXPERIENCE IN LAST THREE YEARS

- Year
- Client
- Description of works
- Contract Amount
- Remarks (**Provide documentary evidence (\*)**)

**Please include copies of completion certificates issued by former clients and / or performance appreciation / evaluation letters from former clients providing their contact details and approval to contact them.**

### TABLE 4 – ONGOING CONTRACTS

- Client
- Description of Contracts
- Location
- Amount
- % of Completion (**Provide documentary evidence**)

**TABLE 5 - ADEQUACY OF WORKING CAPITAL**

- Source of credit line
- Amount
- Remarks (*Provide documentary evidence*)

**Please provide proof of financial competency and audited financial statements for the last three financial years.**

**TABLE 6 – LIST OF PERMANENTLY EMPLOYED STAFF**

- Name
- Designation Qualification
- No. of Years of Experience

**Provide an organizational chart and detailed CVs for key management and technical personnel in the Organization**

**TABLE 7 – LIST OF PLANT AND EQUIPMENT (OWNED AND HIRED)**

- Description whether Owned or Leased
- Year of Manufacture

**TABLE 8 – ANY OTHER INFORMATION**

**In addition to the required information, Companies may provide brochures and other related documents**

**I, the undersigned, warrant that the information provided in this form is correct and, in the event of changes, details will be provided as soon as possible:**

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Name/ Signature/ Date



IOM International Organization for Migration  
OIM Organisation Internationale pour les Migrations  
OIM Organización Internacional para las Migraciones

*IOM Libya Mission*

## Solar Power Systems - Guidelines for the Study – Design and Build

Based on the given power consumption of the **Ras Jdir** and **Wazen BCPs**, we need to find a Solar Power Company to be able to do assessment, study, design and build with complete Itemized and Costed BoQs, Drawings and Schematic Diagrams, for us the following:

1. **Approximate Power Consumptions in each station: (the selected Contractor will assess-design the final solar power requirements in each station based on needs and if possible, include the Air Conditioning Units to be operated during peak temperatures)**
  - a. **MIDAS BCP Site Server:**
    - i. Total Power Consumption per day: 18.880 kW/day – 8 hours per day operation
    - ii. Approximate Photovoltaic Power need/requirement: 3 kWp design capacity per hour given losses and solar intensity – to be verified by the study.
  - b. **MIDAS Entry Immigration WorkStation:**
    - i. Total Power Consumption per day: 35.280 kW/day – 4 hours per day operation
    - ii. Approximate Photovoltaic Power need/requirement: 11 kWp design capacity per hour given losses and solar intensity – to be verified by the study.
  - c. **MIDAS Exit Immigration WorkStation:**
    - i. Total Power Consumption per day: 42.480 kW/day – 4 hours per day operation
    - ii. Approximate Photovoltaic Power need/requirement: 13 kWp design capacity per hour given losses and solar intensity – to be verified by the study.
2. **Design Parameters:**
  - a. The Solar Power System will be designed to be off-grid and on-grid - Hybrid Design System
  - b. The Solar Power System will be designed to have an automatic switch board to connect with the on-grid powerline and at the same time with the available generators on site.

- c. A back-up battery will be installed to store power in case there will be an all systems power failure.
3. Assessments/Study:
- a. Design it to be one system or multi system depending on the maximum power consumptions and capacity of each available system on the market/Libya.
  - b. Additional power loads that were not considered, eg. Air Conditioning Systems or Electric Fans/Cooler during Summer, Heating during Winter Season.
  - c. Designate a proper location of the Solar Panel Areas – Solar Beds
  - d. Allocate accessible location of the Solar Panel Board, Switch Board, Batteries
  - e. Cost Benefit Study and average year of return of investment
4. Specific Solar Panels and Equipment to be used – please submit specifications, brochures and end user comments/review.
- a. High end solar panel and 25 years life expectancy
  - b. High end MPPT Controller
  - c. High end AH batteries
  - d. AC/DC breakers with surge protection device and safety box – based on the required and design capacity
  - e. etc