



United Nations Population Fund, UNFPA
 131, 31 August 1989 street, Chisinau,
 Republic of Moldova, MD-2012
 Fiscal Code: 12626016
 Tel: +373 79785684
 Website: moldova.unfpa.org

Date: 12/03/2024

Request for Quotation No. UNFPA/MD/RFQ/03/2024

Dear Sir/Madam,

We hereby solicit your quotation for Design-Build services of Photovoltaic (Solar-Electric) plant installation on the roof of AO Artemida, based on existing approved connection notice up to 50KW:

R-UL DROCHIA, OR.DROCHIA str. Nicolae Testemițanu 2/3 21
 Tel contact: Simion Sirbu +373 79824900

- All wiring and power-up works (incl. necessary authorizations and permissions) to install the PVP will be done by the bidder and will be part of the contract. In this regard the costs for wiring, power-up and any other works needed per the location should be provided in the offer. The billing of PVP service (inter-operability with charging network operator) shall be conducted by the bidder on its own resources.
- The overall turn-key cost for fully functional system has to be provided in line with the minimal specs from table below (including necessary authorizations and permissions, conditions for interconnection with transmission system operator and other, design works, verification of design - design expertise, equipment and materials prices, installation and construction works costs, commissioning works.
- The PVP installation will be on the property of the AO Artemida. The proposed PVP should be integrated into the existing or new billing/metering system to monitor the amount of generated electricity. The design works, operation and maintenance agreement between the authorized company proposed by the general contractor of PV installation and AO Artemia will be concluded. In this regard, the estimation of the designing works, operation and maintenance costs) should be presented.
- On the time of installation of the electrical equipment, all safety rules must be observed in accordance with existing regulations and by observing the installation requirements prescribed by the manufacturer. Supervision of compliance with mandatory requirements will be entrusted to an authorized technical officer contracted and paid by the bidder. A final receipt of the works must be performed based on national requirements/ legislative and normative acts.

| Technical parameters | Value | Bidder's specifications/ Please indicate the exact specification |
|---|---|--|
| The minimum power of plant expected to be installed on roofs of the AO Artemida Average PV module size | At least 40.0 kWp – up to 50 kWp 2000 mm x 1000 mm and up to 500W power (can vary depending on producer) | |
| Roof area suitable for PV installation | ~ 200 m2 | |
| Photovoltaic Panel | Mono crystalline module. Rated power up to 500 Wp (up to 75 units calculated based on 200m2 area) | |

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| Area of one photovoltaic panel | around 2.0m ² (can vary depending on producer) | |
| The PVP utilization mode | On-grid | |
| String Invertor | Rated power 40 kW is compatible with three-phase installations. It incorporates to MPPT. Efficiency of 98%. With internet connection and compatibility with IOS and Android to monitor the amount of generated electricity by PVP. | |
| Direct current (DC) board | Second class of overvoltage protection with maximum trip current 40 kA. | |
| Alternate current (AC) board | Second class of overvoltage protection with maximum trip current 40 kA., residual current device (RCD). | |
| Switchboard | Is made individually, in accordance with all parameters to connect to the main power supply network. | |
| Photovoltaic installation systems | Special holding system for the roof. High-quality primary aluminum with anodic oxide coating for corrosion protection, with lifetime duration at least 50 years. Set for around 75 PV panels | |
| PV string cable (Solar DS cables) | Single-core strand wire with double insulation, resistant to temperature and ultraviolet radiation, in anti-vandal protection. Up to 200 m (to be defined during design works). | |
| MC4 Branch connector | The highest working current is 30A. The highest possible operating voltage 1000V. Protection class in working state IP67. Set for around 75 PV panels | |
| Engineering systems maintenance | Once per year PV panels inspection by engineers, with regards on technical issues. For initial 2 years. | |
| Roof walkways | Material – aluminum ribbed and cogs surface, 350÷400mm width (to be defined during design works). | |



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| Roof safety rails | Material – aluminum, minimum 1200mm height. | |
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The goods and services are to be delivered maximum in **90 calendar days** upon issuing of PO. The quotation shall be valid at least for 90 days after the RFQ closing date.

The selected contractor will be exempt from any taxes (VAT, import) for the amount of the award.

If you are interested in submitting a quotation for these items, kindly fill in the attached Quotation Form and send by email to the address indicated below:

Email: tender.mda@unfpa.org

Please submit your quotation in MDL or USD currency. Conversion of currency into the UNFPA preferred currency, if the offer is quoted differently from what is required, shall be based only on [UN Operational Exchange Rate \(https://treasury.un.org/operationalrates/OperationalRates.php\)](https://treasury.un.org/operationalrates/OperationalRates.php) prevailing at the time of competition deadline.

Your earliest response to this query would be highly appreciated, but not later than **19/03/2024, 16:30 (GMT +3, Moldova Local Time)**.

Note: Current UNFPA supplier policies apply to this solicitation and can be found at: <http://www.unfpa.org/suppliers>.

Qualification Criteria:

- Full acceptance of the PO/Contract General Terms and Conditions
- Maximum delivery period not to exceed 90 calendar days upon signature of contract
- Minimum Warranty period of 2 Years
- Availability of certified staff for performing all necessary electric works
- Proof of all necessary licenses and authorizations for electric works
- Filled Annex 1 – Technical responsiveness table

Evaluation method:

- Lowest priced offer that is substantially responsive to the requirements of the RFQ

Conditions for Release of Payment:

- Passing Inspection
- Written Acceptance of Goods based on full compliance with RFQ requirements

Best regards,

Prepared by:

Tarcenco Iurie/ Procurement Analyst

Tel. No. +373 79785684

Email: tarcenco@unfpa.org

DocuSigned by:
Iurie Tarcenco
85CA7739315F46C...

Approved by:

Karina Nersesyan

Representative

UNFPA Moldova

DocuSigned by:
Karina Nersesyan
FDB85A2300DB4C3...

Quotation Form

Name of Bidder: _____
Date of Bid: _____
Request for Quotation No: _____
Currency of Bid price: _____
Delivery time (from receipt of order till dispatch): _____
Expiration of Validity of Quotation (The quotation shall be valid for a period of at least 90 days after the Closing date.)

Price Schedule (All Tax & Vat excl.):

| Technical parameters | Value | Bidder's specifications/ Please indicate the exact specification | Price |
|---|--|---|-------|
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| Roof safety rails | Material – aluminum, minimum 1200mm height. | | |

In your offer, please include the following (mandatory documents):

1. Detailed technical description of the offered goods, or product catalogue/leaflet, with detailed technical specifications as detailed in RFQ. Photos of the device product.
2. Quality standard of the products (Quality Certificates ISO, EC etc.), Environmental Compliance Certificates, Accreditations, Markings/Labels, and other evidences of Bidder's practices that contributes to the ecological sustainability and reduction of adverse environmental impact (e.g.: use of non-toxic substances, recycled raw materials, energy-efficient equipment, etc.) either in its business practices or in the goods it manufactures:
3. Company registration documents, Proof of all necessary licenses and authorizations for electric works
4. Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;

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| <i>Vendor's Comments:</i> |
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I hereby certify that this company, which I am duly authorized to sign for, accepts the terms and conditions of UNFPA (<http://www.unfpa.org/resources/unfpa-general-conditions-contract>) and we will abide by this quotation until it expires.

Name and title

Date and Place