# **INVITATION TO BID**

# Supply and installation of solar collectors for domestic hot water in 28 social institutions

## Moldova Energy and Biomass Project Republic of Moldova



This project is funded by the European Union



This project is funded by the European Union and implemented by the United Nations Development Programme

February 2017

## Section 1. Letter of Invitation

Chisinau, Republic of Moldova 28 February 2017

Ref. no.: ITB17/01439

Subject: Supply and installation of solar collectors for domestic hot water in 28 social institutions

Dear Sir / Madam:

The United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) for the above-referenced subject.

This ITB includes the following documents:

Section 1 - This Letter of Invitation

Section 2 = Instructions to Bidders (including Data Sheet)

Section 3 – Schedule of Requirements and Technical Specifications

Section 4 - Bid Submission Form

Section 5 - Documents Establishing the Eligibility and Qualifications of the Bidder

Section 6 - Technical Bid Form

Section 7 - Price Schedule Form

Section 8 – Form for Bid Security

Section 9 - Form for Performance Security

Section 10 - Form for Advanced Payment Guarantee

Section 11 = Contract to be Signed, including General Terms and Conditions

Your offer, comprising of a Technical Bid and Price Schedule should be submitted in accordance with Section 2.

You are kindly requested to submit an acknowledgment letter to UNDP to the following address:

United Nations Development Programme in Moldova

131, 31 August 1989 Street, MD-2012 Chisinau, Republic of Moldova

Email: sc.md@undp.org
Attention: Procurement Unit

The letter should be received by UNDP no later than Close of Business, <u>17 March 2017</u>. The same letter should advise whether your company intends to submit a Bid. If that is not the case, UNDP would appreciate your indicating the reason, for our records.

If you have received this ITB through a direct invitation by UNDP, transferring this invitation to another firm requires notifying UNDP accordingly.

Should you require any clarification, kindly communicate with the contact person identified in the attached Data Sheet as the focal point for queries on this ITB.

UNDP looks forward to receiving your Bid and thanks you in advance for your interest in UNDP procurement opportunities.

Yours sincered

Ira Cebotari,

Head of Operations

JB.

## **Section 2: Instruction to Bidders**

### **Definitions**

- a) "Bid" refers to the Bidder's response to the Invitation to Bid, including the Bid Submission Form, Technical Bid and Price Schedule and all other documentation attached thereto as required by the ITB.
- b) "Bidder" refers to any legal entity that may submit, or has submitted, a Bid for the supply of goods and provision of related services requested by UNDP.
- c) "Contract" refers to the legal instrument that will be signed by and between the UNDP and the successful Bidder, all the attached documents thereto, including the General Terms and Conditions (GTC) and the Appendices.
- d) "Country" refers to the country indicated in the Data Sheet.
- e) "Data Sheet" refers to such part of the Instructions to Bidders used to reflect conditions of the tendering process that are specific for the requirements of the ITB.
- f) "Day" refers to calendar day.
- g) "Goods" refer to any tangible product, commodity, article, material, wares, equipment, assets or merchandise that UNDP requires under this ITB.
- h) "Government" refers to the Government of the country where the goods and related services provided/rendered specified under the Contract will be delivered or undertaken.
- i) "Instructions to Bidders" refers to the complete set of documents which provides Bidders with all information needed and procedures to be followed in the course of preparing their Bid
- j) "ITB" refers to the Invitation to Bid consisting of instructions and references prepared by UNDP for purposes of selecting the best supplier or service provider to fulfil the requirement indicated in the Schedule of Requirements and Technical Specifications.
- k) "LOI" (Section 1 of the ITB) refers to the Letter of Invitation sent by UNDP to Bidders.
- "Material Deviation" refers to any contents or characteristics of the bid that is significantly different from an essential aspect or requirement of the ITB, and (i) substantially alters the scope and quality of the requirements; (ii) limits the rights of UNDP and/or the obligations of the offeror; and (iii) adversely impacts the fairness and principles of the procurement process, such as those that compromise the competitive position of other offerors.
- m) "Schedule of Requirements and Technical Specifications" refers to the document included in this ITB as Section 3 which lists the goods required by UNDP, their specifications, the related services, activities, tasks to be performed, and other information pertinent to UNDP's receipt and acceptance of the goods.
- n) "Services" refers to the entire scope of tasks related or ancillary to the completion or delivery of the goods required by UNDP under the ITB.
- o) "Supplemental Information to the ITB" refers to a written communication issued by UNDP to prospective Bidders containing clarifications, responses to queries received from prospective Bidders, or changes to be made in the ITB, at any time after the release of the ITB but before the deadline for the submission of Bid.

## A. GENERAL

- 1. UNDP hereby solicits Bids as a response to this Invitation to Bid (ITB). Bidders must strictly adhere to all the requirements of this ITB. No changes, substitutions or other alterations to the rules and provisions stipulated in this ITB may be made or assumed unless it is instructed or approved in writing by UNDP in the form of Supplemental Information to the ITB.
- **2.** Submission of a Bid shall be deemed as an acknowledgement by the Bidder that all obligations stipulated by this ITB will be met and, unless specified otherwise, the Bidder has read, understood and agreed to all the instructions in this ITB.
- **3.** Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of any Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.
- **4.** UNDP implements a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical practices, and obstruction. UNDP is committed to preventing, identifying and addressing all acts of fraud and corrupt practices against UNDP as well as third parties involved in UNDP activities. (See

http://www.undp.org/about/transparencydocs/UNDP Anti Fraud Policy English FINAL june 2011. pdf and

http://www.undp.org/content/undp/en/home/operations/procurement/procurement protest/ for full description of the policies).

- 5. In responding to this ITB, UNDP requires all Bidders to conduct themselves in a professional, objective and impartial manner, and they must at all times hold UNDP's interests paramount. Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. All Bidders found to have a conflict of interest shall be disqualified. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they:
  - Are, or have been associated in the past, with a firm or any of its affiliates which have been engaged UNDP to provide services for the preparation of the design, Schedule of Requirements and Technical Specifications, cost analysis/estimation, and other documents to be used for the procurement of the goods and related services in this selection process;
  - Were involved in the preparation and/or design of the programme/project related to the goods and related services requested under this ITB; or
  - Are found to be in conflict for any other reason, as may be established by, or at the discretion of, UNDP.

In the event of any uncertainty in the interpretation of what is potentially a conflict of interest, Bidders must disclose the condition to UNDP and seek UNDP's confirmation on whether or not such conflict exists.

- **6.** Similarly, the following must be disclosed in the Bid:
  - 6.1 Bidders who are owners, part-owners, officers, directors, controlling shareholders, or key personnel who are family of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving the goods and related services under this ITB; and
  - 6.2 Others that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices.

Failure of such disclosure may result in the rejection of the Bid.

- 7. The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered as an independent entity, the extent of Government ownership/share, receipt of subsidies, mandate, access to information in relation to this ITB, and others that may lead to undue advantage against other Bidders, and the eventual rejection of the Bid.
- **8.** All Bidders must adhere to the UNDP Supplier Code of Conduct, which may be found at this link: <a href="http://web.ng.undp.org/procurement/undp-supplier-code-of-conduct.pdf">http://web.ng.undp.org/procurement/undp-supplier-code-of-conduct.pdf</a>.

## **B. CONTENTS OF BID**

#### 9. Sections of Bid

Bidders are required to complete, sign and submit the following documents:

- 9.1 Bid Submission Cover Letter Form (see ITB Section 4);
- 9.2 Documents Establishing the Eligibility and Qualifications of the Bidder (see ITB Section 5);
- 9.3 Technical Bid (see prescribed form in ITB Section 6);
- 9.4 Price Schedule (see prescribed form in ITB Section 7);
- 9.5 Bid Security, if applicable (if required and as stated in the DS nos. 9-11, see prescribed Form in ITB Section 8);
- 9.6 Any attachments and/or appendices to the Bid (including all those specified under the **Data Sheet**).

## 10. Clarification of Bid

- 10.1 Bidders may request clarification of any of the ITB documents no later than the number of days indicated in the **Data Sheet** (DS no. 16) prior to the Bid submission date. Any request for clarification must be sent in writing via courier or through electronic means to the UNDP address indicated in the **Data Sheet** (DS no. 17). UNDP will respond in writing, transmitted by electronic means and will transmit copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Bidders who have provided confirmation of their intention to submit a Bid.
- 10.2 UNDP shall endeavor to provide such responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bid, unless UNDP deems that such an extension is justified and necessary.

#### 11. Amendment of Bid

- 11.1 At any time prior to the deadline for submission of Bid, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of a Supplemental Information to the ITB. All prospective Bidders will be notified in writing of all changes/amendments and additional instructions through Supplemental Information to the ITB and through the method specified in the **Data Sheet** (DS No. 18).
- 11.2 In order to afford prospective Bidders reasonable time to consider the amendments in preparing their Bid, UNDP may, at its discretion, extend the deadline for submission of Bid, if the nature of the amendment to the ITB justifies such an extension.

## C. PREPARATION OF BID

#### 12. Cost

The Bidder shall bear any and all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid was selected or not. UNDP shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.

## 13. Language

The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the **Data Sheet** (DS No. 4). Any printed literature furnished by the Bidder written in a language other than the language indicated in the **Data Sheet**, must be accompanied by a translation in the preferred language indicated in the **Data Sheet**. For purposes of interpretation of the Bid, and in the event of discrepancy or inconsistency in meaning, the version translated into the preferred language shall govern. Upon conclusion of a contract, the language of the contract shall govern the relationship between the contractor and UNDP.

### 14. Bid Submission Form

The Bidder shall submit the Bid Submission Form using the form provided in Section 4 of this ITB.

## 15. Technical Bid Format and Content

Unless otherwise stated in the **Data Sheet** (DS no. 28), the Bidder shall structure the Technical Bid as follows:

- 15.1 Expertise of Firm/Organization this section should provide details regarding management structure of the organization, organizational capability/resources, and experience of organization/firm, the list of projects/contracts (both completed and on-going, both domestic and international) which are related or similar in nature to the requirements of the ITB, manufacturing capacity of plant if Bidder is a manufacturer, authorization from the manufacturer of the goods if Bidder is not a manufacturer, and proof of financial stability and adequacy of resources to complete the delivery of goods and provision of related services required by the ITB (see ITB Clause 18 and DS No. 26 for further details). The same shall apply to any other entity participating in the ITB as a Joint Venture or Consortium.
- Technical Specifications and Implementation Plan this section should demonstrate the Bidder's response to the Schedule of Requirements and Technical Specifications by identifying the specific components proposed; how each of the requirements shall be met point by point; providing a detailed specification and description of the goods required, plans and drawings where needed; the essential performance characteristics, identifying the works/portions of the work that will be subcontracted; a list of the major subcontractors, and demonstrating how the bid meets or exceeds the requirements, while ensuring appropriateness of the bid to the local conditions and the rest of the project operating environment during the entire life of the goods provided. Details of technical bid must be laid out and supported by an Implementation Timetable, including Transportation and Delivery Schedule where needed, that is within the duration of the contract as specified in the **Data Sheet** (DS noS. 29 and 30).

Bidders must be fully aware that the goods and related services that UNDP require may be transferred, immediately or eventually, by UNDP to the Government partners, or to an entity nominated by the latter, in accordance with UNDP's policies and procedures. All bidders are therefore required to submit the following in their bids:

a) A statement of whether any import or export licences are required in respect of the goods to be purchased or services to be rendered, including any restrictions in the country of origin, use or dual

- use nature of the goods or services, including any disposition to end users;
- b) Confirmation that the Bidder has obtained license of this nature in the past, and have an expectation of obtaining all the necessary licenses, should their bid be rendered the most responsive; and
- c) Complete documentation, information and declaration of any goods classified or may be classified as "Dangerous Goods".
- 15.3 Management Structure and Key Personnel This section should include the comprehensive curriculum vitae (CVs) of key personnel that will be assigned to support the implementation of the technical bid, clearly defining their roles and responsibilities. CVs should establish competence and demonstrate qualifications in areas relevant to the requirements of this ITB.

In complying with this section, the Bidder assures and confirms to UNDP that the personnel being nominated are available to fulfil the demands of the Contract during its stated full term. If any of the key personnel later becomes unavailable, except for unavoidable reasons such as death or medical incapacity, among other possibilities, UNDP reserves the right to render the Bid non-responsive. Any deliberate substitution of personnel arising from unavoidable reasons, including delay in the implementation of the project of programme through no fault of the Bidder, shall be made only with UNDP's acceptance of the justification for substitution, and UNDP's approval of the qualification of the replacement who shall be either of equal or superior credentials as the one being replaced.

- 15.4 Where the **Data Sheet** requires the submission of the Bid Security, the Bid Security shall be included along with the Technical Bid. The Bid Security may be forfeited by UNDP, and reject the Bid, in the event of any or any combination of the following conditions:
  - a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the **Data Sheet** (DS no. 11), or;
  - b) If the Bid Security amount is found to be less than what is required by UNDP as indicated in the **Data Sheet** (DS no. 9), or;
  - c) In the case the successful Bidder fails:
    - i. to sign the Contract after UNDP has awarded it;
    - ii. to comply with UNDP's variation of requirement, as per ITB Clause 35; or
    - iii. to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering effective the contract that may be awarded to the Bidder.

## 16. Price Schedule

The Price Schedule shall be prepared using the attached standard form (Section 7). It shall list all major cost components associated with the goods and related services, and the detailed breakdown of such costs. All goods and services described in the Technical Bid must be priced separately on a one-to-one correspondence. Any output and activities described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of the items or activities, as well as in the final total price of the bid.

### 17. Currencies

All prices shall be quoted in the currency indicated in the **Data Sheet** (DS no. 15). However, where Bids are quoted in different currencies, for the purposes of comparison of all Bid:

17.1 UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bid; and

In the event that the Bid found to be the most responsive to the ITB requirement is quoted in another currency different from the preferred currency as per **Data Sheet** (DS no. 15), then UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.

## 18. Documents Establishing the Eligibility and Qualifications of the Bidder

- 18.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the forms provided under Section 5, Bidder Information Forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfactions. These include, but are not limited to the following:
  - a) That, in the case of a Bidder offering to supply goods under the Contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' manufacturer or producer to supply the goods in the country of final destination;
  - b) That the Bidder has the financial, technical, and production capability necessary to perform the Contract; and
  - c) That, to the best of the Bidder's knowledge, it is not included in the UN 1267 List or the UN Ineligibility List, nor in any and all of UNDP's list of suspended and removed vendors.
- 18.2 Bids submitted by two (2) or more Bidders shall all be rejected by UNDP if they are found to have <u>any</u> of the following:
  - a) they have at least one controlling partner, director or shareholder in common; or
  - b) any one of them receive or have received any direct or indirect subsidy from the other/s; or
  - c) they have the same legal representative for purposes of this ITB; or
  - d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this ITB process;
  - e) they are subcontractors to each other's bid, or a subcontractor to one bid also submits another Bid under its name as lead Bidder; or
  - f) an expert proposed to be in the bid of one Bidder participates in more than one Bid received for this ITB process. This condition does not apply to subcontractors being included in more than one Bid.

## 19. Joint Venture, Consortium or Association

If the Bidder is a group of legal entities that will form or have formed a joint venture, consortium or association at the time of the submission of the Bid, they shall confirm in their Bid that: (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the joint venture jointly and severally, and this shall be duly evidenced by a duly notarized Agreement among the legal entities, which shall be submitted along with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all entities that comprise the joint venture.

After the bid has been submitted to UNDP, the lead entity identified to represent the joint venture shall not be altered without the prior written consent of UNDP. Furthermore, neither the lead entity nor the member entities of the joint venture can:

- a) Submit another Bid, either in its own capacity; nor
- b) As a lead entity or a member entity for another joint venture submitting another Bid.

The description of the organization of the joint venture/consortium/association must clearly define the

expected role of each of the entity in the joint venture in delivering the requirements of the ITB, both in the bid and in the Joint Venture Agreement. All entities that comprise the joint venture shall be subject to the eligibility and qualification assessment by UNDP.

Where a joint venture is presenting its track record and experience in a similar undertaking as those required in the ITB, it should present such information in the following manner:

- a) Those that were undertaken together by the joint venture; and
- b) Those that were undertaken by the individual entities of the joint venture expected to be involved in the performance of the services defined in the ITB.

Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the joint venture or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials.

If the Bid of a joint venture is determined by UNDP as the most responsive Bid that offers the best value for money, UNDP shall award the contract to the joint venture, in the name of its designated lead entity, who shall sign the contract for and on behalf of all the member entities.

#### 20. Alternative Bid

Unless otherwise specified in the **Data Sheet** (DS nos. 5 and 6), alternative bid shall not be considered. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative bid.

## 21. Validity Period

- 21.1 Bid shall remain valid for the period specified in the **Data Sheet** (DS no. 8), commencing on the submission deadline date also indicated in the **Data Sheet** (DS no. 21). A Bid valid for a shorter period shall be immediately rejected by UNDP and rendered non-responsive.
- 21.2 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bid. The request and the responses shall be made in writing, and shall be considered integral to the Bid.

## 22. Bidder's Conference

When appropriate, a Bidder's conference will be conducted at the date, time and location specified in the **Data Sheet** (DS no. 7). All Bidders are encouraged to attend. Non-attendance, however, shall <u>not</u> result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be either posted on the UNDP website, or disseminated to the individual firms who have registered or expressed interest with the contract, whether or not they attended the conference. No verbal statement made during the conference shall modify the terms and conditions of the ITB unless such statement is specifically written in the Minutes of the Conference, or issued/posted as an amendment in the form of a Supplemental Information to the ITB.

## D. SUBMISSION AND OPENING OF BID

## 23. Submission

23.1 The Technical Bid and the Price Schedule <u>must</u> be submitted together and sealed together in one and the same envelope, delivered either personally, by courier, or by electronic method of transmission. If submission will not be done by electronic means, the Technical Bid and Price

Schedule must be sealed together in an envelope whose external side must:

- a) Bear the name of the Bidder;
- b) Be addressed to UNDP as specified in the **Data Sheet** (DS no.20); and
- c) Bear a warning not to open before the time and date for Bid opening as specified in the **Data Sheet** (DS no. 24).

If the envelope is not sealed nor labeled as required, the Bidder shall assume the responsibility for the misplacement or premature opening of Bid due to improper sealing and labeling by the Bidder.

- 23.2 Bidders must submit their Bid in the manner specified in the **Data Sheet** (DS nos. 22 and 23). When the Bid is expected to be in transit for more than 24 hours, the Bidder must ensure that sufficient lead time has been provided in order to comply with UNDP's deadline for submission. UNDP shall indicate for its record that the official date and time of receiving the Bid is the <u>actual</u> date and time when the said Bid has physically arrived at the UNDP premises indicated in the **Data Sheet** (DS no. 20).
- 23.3 Bidders submitting Bid by mail or by hand shall enclose the original and each copy of the Bid, in separate sealed envelopes, duly marking each of the envelopes as "Original Bid" and the others as "Copy of Bid". The two envelopes, consisting of original and copies, shall then be sealed in an outer envelope. The number of copies required shall be as specified in the **Data Sheet** (DS no. 19). In the event of any discrepancy between the contents of the "Original Bid" and the "Copy of Bid", the contents of the original shall govern. The original version of the Bid shall be signed or initialed by the Bidder or person(s) duly authorized to commit the Bidder on every page. The authorization shall be communicated through a document evidencing such authorization issued by the highest official of the firm, or a Power of Attorney, accompanying the Bid.
- 23.4 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder accepts the General Contract Terms and Conditions of UNDP as attached hereto as Section 11.

## 24. Deadline for Submission of Bid and Late Bids

Bid must be received by UNDP at the address and no later than the date and time specified in the **Data Sheet** (DS no. 20 and 21).

UNDP shall not consider any Bid that arrives after the deadline for submission of Bid. Any Bid received by UNDP after the deadline for submission of Bid shall be declared late, rejected, and returned unopened to the Bidder.

## 25. Withdrawal, Substitution, and Modification of Bid

- 25.1 Bidders are expected to have sole responsibility for taking steps to carefully examine in detail the full consistency of its Bid to the requirements of the ITB, keeping in mind that material deficiencies in providing information requested by UNDP, or lack clarity in the description of goods and related services to be provided, may result in the rejection of the Bid. The Bidder shall assume any responsibility regarding erroneous interpretations or conclusions made by the Bidder in the course of understanding the ITB out of the set of information furnished by UNDP.
- 25.2 A Bidder may withdraw, substitute or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 23, duly signed by an authorized representative,

and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be received by UNDP prior to the deadline for submission and submitted in accordance with ITB Clause 23 (except that withdrawal notices do not require copies). The respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or MODIFICATION".

- 25.3 Bid requested to be withdrawn shall be returned unopened to the Bidders.
- No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bid and the expiration of the period of Bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

## 26. Bid Opening

UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members. If electronic submission is permitted, any specific electronic Bid opening procedures shall be as specified in the **Data Sheet** (DS no. 23).

The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submission, for which the Bid shall be returned unopened to the Bidder.

## 27. Confidentiality

Information relating to the examination, evaluation, and comparison of Bid, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award.

Any effort by a Bidder to influence UNDP in the examination, evaluation and comparison of the Bid or contract award decisions may, at UNDP's decision, result in the rejection of its Bid.

In the event that a Bidder is unsuccessful, the Bidder may seek a meeting with UNDP for a debriefing. The purpose of the debriefing is discussing the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving the bid presented to UNDP. The content of other bid and how they compare to the Bidder's submission shall not be discussed.

## **E. EVALUATION OF BID**

## 28. Preliminary Examination of Bid

UNDP shall examine the Bid to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, whether or not the Bidder is in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's list of suspended and removed vendors, and whether the Bid are generally in order, among other indicators that may be used at this stage. UNDP may reject any Bid at this stage.

### 29. Evaluation of Bid

29.1 UNDP shall examine the Bid to confirm that all terms and conditions under the UNDP General Terms and Conditions and Special Conditions have been accepted by the Bidder without any deviation or reservation.

- 29.2 The evaluation team shall review and evaluate the Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the **Data Sheet** (DS No. 25). Absolutely no changes may be made by UNDP in the criteria after all Bids have been received.
- 29.3 UNDP reserves the right to undertake a post-qualification exercise, aimed at determining, to its satisfaction the validity of the information provided by the Bidder. Such post-qualification shall be fully documented and, among those that may be listed in the **Data Sheet** (DS No.33), may include, but need not be limited to, all or any combination of the following:
  - a) Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;
  - b) Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team;
  - c) Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder;
  - d) Inquiry and reference checking with other previous clients on the quality of performance on on-going or previous contracts completed;
  - e) Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder;
  - f) Testing and sampling of completed goods similar to the requirements of UNDP, where available; and
  - g) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.

### 30. Clarification of Bid

To assist in the examination, evaluation and comparison of bids, UNDP may, at its discretion, ask any Bidder to clarify its Bid.

UNDP's request for clarification and the Bidder's response shall be in writing. Notwithstanding the written communication, no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bid, in accordance with ITB Clause 35.

Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bid.

## 31. Responsiveness of Bid

UNDP's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the ITB without material deviation, reservation, or omission.

If a Bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

## 32. Nonconformities, Reparable Errors and Omissions

- Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation.
- 32.2 Provided that a Bid is substantially responsive, UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify

nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

- 32.3 Provided that the Bid is substantially responsive, UNDP shall correct arithmetical errors as follows:
  - a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
  - b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
  - c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to the above.

If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.

## F. AWARD OF CONTRACT

## 33. Right to Accept, Reject, or Render Non-Responsive Any or All Bid

- 33.1 UNDP reserves the right to accept or reject any Bid, to render any or all of the Bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. Furthermore, UNDP is not obligated to award the contract to the lowest price offer.
- 33.2 UNDP shall also verify, and immediately reject their respective Bid, if the Bidders are found to appear in the UN's Consolidated List of Individuals and Entities with Association to Terrorist Organizations, in the List of Vendors Suspended or Removed from the UN Secretariat Procurement Division Vendor Roster, the UN Ineligibility List, and other such lists that as may be established or recognized by UNDP policy on Vendor Sanctions. (See <a href="http://www.undp.org/content/undp/en/home/operations/procurement/procurement protest/">http://www.undp.org/content/undp/en/home/operations/procurement/procurement protest/</a>).

## 34. Award Criteria

Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price (See DS No. 32).

## 35. Right to Vary Requirements at the Time of Award

At the time of award of Contract, UNDP reserves the right to vary the quantity of the goods and/or related services, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

## 36. Contract Signature

Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP.

Failure of the successful Bidder to comply with the requirement of ITB Section F.3 and this provision shall constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security if any, and on which event, UNDP may award the Contract to the Bidder with the second highest rated Bid, or call for new Bid.

## **37. Performance Security**

A performance security, if required, shall be provided in the amount and form provided in Section 9 and by the deadline indicated in the **Data Sheet** (DS no. 14), as applicable. Where a Performance Security will be required, the submission of the said document, and the confirmation of its acceptance by UNDP, shall be a condition for the effectivity of the Contract that will be signed by and between the successful Bidder and UNDP.

## 38. Bank Guarantee for Advanced Payment

Except when the interests of UNDP so require, it is the UNDP's preference to make no advanced payment(s) on contracts (i.e., payments without having received any outputs). In the event that the Bidder requires an advanced payment upon contract signature, and if such request is duly accepted by UNDP, and the said advanced payment exceeds 20% of the total Bid price, or exceed the amount of USD 30,000, UNDP shall require the Bidder to submit a Bank Guarantee in the same amount as the advanced payment. A bank guarantee for advanced payment shall be furnished in the form provided in Section 10.

### 39. Vendor Protest

UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a purchase order or contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures: <a href="http://www.undp.org/procurement/protest.shtml">http://www.undp.org/procurement/protest.shtml</a>.

## **Instructions to Bidders**

## **DATA SHEET**

The following data for the supply of goods and related services shall complement / supplement the provisions in the Instruction to Bidders. In the case of a conflict between the Instruction to Bidders and the Data Sheet, the provisions in the Data Sheet shall prevail.

DS No.	Cross Ref. to Instruct ions	Data	Specific Instructions / Requirements
1		Project Title:	Moldova Energy and Biomass Project
2		Title of Goods/Services/Work Required:	Supply and installation of solar collectors for domestic hot water in 28 social institutions
3		Country:	Republic of Moldova
4	C.13	Language of the Bid:	☑ English ☐ French ☐ Spanish ☐ Others:
5	C.20	Conditions for Submitting Bid for Parts or sub-parts of the Total Requirements	<ul><li>☑ Allowed, per Lot</li><li>☐ Not allowed</li></ul>
6	C.20	Conditions for Submitting Alternative Bid	⊠ Shall not be considered
7	C.22	A pre-Bid conference will be held on:	Time: 11:00 (Moldova local time) Date: 10 March 2017 Venue: "Le Roi" Business Centre, 29, Sfatul Tarii Street, 3 <sup>rd</sup> floor, room 305, MD-2012 Chisinau, Moldova.  The UNDP focal point for the arrangement is: Mihai Maciuca, MEBP Procurement Officer Telephone: +373 (0) 22 839979 E-mail: mihail.maciuca@undp.org
8	C.21.1	Period of Bid Validity commencing on the submission date	<ul><li>☐ 60 days</li><li>☐ 90 days</li><li>☑ 120 days</li></ul>
9	B.9.5 C.15.4 b)	Bid Security	□ Required     Amount: USD 7,000 (seven thousand) for each Lot     Form: Bank Guarantee
10	B.9.5	Acceptable forms of Bid Security	☑ Bank Guarantee (See Section 8 for template)
11	B.9.5 C.15.4 a)	Validity of Bid Security	150 days from the last day of Bid submission.  Bid Security of unsuccessful Bidders shall be returned.

12		Advanced Payment upon signing of contract	⊠ Not allowed
13		Liquidated Damages	<ul> <li>✓ Will be imposed under the following conditions:</li> <li>Percentage of contract price per day of delay: 0.5%</li> <li>Max. no. of days of delay: 30</li> <li>After which UNDP may terminate the contract.</li> </ul>
14	F.37	Performance Security	⊠ Required Amount: 10% of contract amount Form: Bank Guarantee
15	C.17 C.17.2	Preferred Currency of Bid and Method for Currency conversion	☑ United States Dollars (US\$)  Reference date for determining UN Operational Exchange Rate: 29 March 2017
16	B.10.1	Deadline for submitting requests for clarifications/ questions	10 days before the submission date.
17	B.10.1	Contact Details for submitting clarifications/questions <sup>1</sup>	Focal Person in UNDP: Mihai Maciuca, MEBP Procurement and Contract Management Officer
			Address: "Le Roi" Business Centre, 29, Sfatul Tarii Street, 3 <sup>rd</sup> floor, room 304, MD-2012 Chisinau, Moldova
			E-mail address dedicated for this purpose: mihail.maciuca@undp.org
18	B.11.1	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	□ Direct communication to prospective Bidders by email or fax, and Posting on the website <sup>2</sup> http://www.undp.md/tenders/index.shtml
19	D.23.3	No. of copies of Bid that must be submitted	Original: 1 (one) Copies: 1 (one)
20	D.23.1 b) D.23.2 D.24	Bid submission address	UNDP Moldova 131, 31 August 1989 Street MD-2012 Chisinau Republic of Moldova Attention: Registry Office/Procurement
21	C.21.1 D.24	Deadline of Bid Submission	Date and Time: 29 March 2017, 11:00 (Moldova local time)
22	D.23.2	Manner of Submitting Bid	<ul> <li>☑ Courier/Hand Delivery</li> <li>☑ Electronic submission of Bid³</li> </ul>

<sup>&</sup>lt;sup>1</sup> This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was officially received.

<sup>&</sup>lt;sup>2</sup> Posting on the website shall be supplemented by directly transmitting the communication to the prospective offerors.

<sup>&</sup>lt;sup>3</sup> If this will be allowed, security features (e.g., encryption, authentication, digital signatures, etc.) are strictly required and must be enforced to ensure confidentiality and integrity of contents.

23	D.23.2 D.26	Conditions and Procedures for electronic submission and opening, if allowed	<ul> <li>☑ Official Address for e-submission:</li> <li>tenders-Moldova@undp.org</li> <li>☑ Format: PDF files only, password protected</li> <li>☑ Password must not be provided to UNDP until the date and time of Bid Opening as indicated in No. 24</li> <li>☑ Max. File Size per transmission: 5 MB</li> <li>☑ Max. No. of transmission: 5 (five)</li> <li>☑ No. of copies to be transmitted: 1 (one)</li> <li>☑ Mandatory subject of email: "ITB17/01439: Solar systems - MEBP"</li> <li>☑ Time Zone to be Recognized: Moldova (GMT+2:00)</li> </ul>
24	D.23.1 c)	Date, time and venue for opening of Bid	Date and Time: <b>29 March 2017, 11:00</b> (Moldova local time) Venue: UN House Conference Room, 131, 31 August 1989 Street, MD-2012 Chisinau, Moldova
25		Evaluation method to be used in selecting the most responsive Bid	<ul> <li>☑ Non-Discretionary "Pass/Fail" Criteria on the Technical Requirements; and</li> <li>☑ Lowest price offer of technically qualified/responsive Bids</li> </ul>
26	C.15.1	be Submitted to Establish Qualification of Bidders (In "Certified True Copy" form only)	<ul> <li>☑ Company Profile, which should not exceed fifteen (15) pages</li> <li>☑ Certificate of Registration of the business;</li> <li>☑ List of Shareholders and Other Entities Financially Interested in the Firm owning 5% or more of the stocks and other interests, or its equivalent if Bidder is not a corporation</li> <li>☑ Tax Registration/Payment Certificate issued by the Internal Revenue Authority evidencing that the Bidder is updated with its tax payment obligations, or Certificate of Tax exemption, if any such privilege is enjoyed by the Bidder;</li> <li>☑ Valid Licenses for relevant construction works;</li> <li>☑ Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country;</li> <li>☑ Latest Financial Statements (Income Statement and Balance Sheet) for the past 2 years (2015 and 2016);</li> <li>☑ Statement of Satisfactory Performance from the Top 3 Clients in terms of Contract Value in the past 3 years;</li> <li>☑ All information regarding any past and current litigation during the last 3 years, in which the bidder is involved, indicating the parties concerned, the subject of the litigation, the amounts involved, and the final resolution if already concluded;</li> <li>☑ Manufacturer Authorizations for offered solar collectors;</li> <li>☑ CE, EN 12975-1 compliance certificates for solar collectors;</li> <li>☑ CE, EN 12975-1 compliance certificates for solar collectors;</li> <li>☑ CE, EN 12975-1 compliance certificates for solar collectors;</li> <li>☑ CI documents shall be written in the English. Supporting documents (certificates, licenses, Articles of Incorporation, etc.) must be accompanied by an unofficial English translation of its pertinent passages.</li> </ul>

27		Other documents that may be Submitted to Establish Eligibility	<ul> <li>☑ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any</li> <li>☑ Environmental Compliance Certificates, Accreditations, Markings/Labels, and other evidences of the Bidder's practices which contributes to the ecological sustainability and reduction of adverse environmental impact (e.g., use of non-toxic substances, recycled raw materials, energy-efficient equipment, reduced carbon emission, etc.), either in its business practices or in the goods it manufactures</li> <li>☑ Printed brochures and product catalogues relevant to the equipment being procured</li> </ul>
28	C.15	Structure of the Technical Bid and List of Documents to be Submitted	<ul> <li>☑ Bid Submission Form (as per Section 4)</li> <li>☑ Bid Security Form (Section 8)</li> <li>☑ Duly filled-in Lot Price Schedule and Site Price Schedules (as per Section 7)</li> <li>☑ Bidder Information Form (Section 5)</li> <li>List of the Top 3 Biggest Clients for the past 3 years;</li> <li>☑ Joint Venture Partner Information Form (if applicable)</li> <li>☑ Technical Bid Form (Section 6) including:</li> <li>Bidder's profile (brief description of Bidder);</li> <li>List of completed and/or ongoing contracts for construction of solar collectors based heating systems in the past two (2) years, indicating beneficiary, contract amount, period of execution;</li> <li>List of specialized equipment, containing information about the model and year of manufacture of each item (Bidders shall indicate whether the equipment is their own or rented);</li> <li>Manufacturer Authorizations for offered solar collectors;</li> <li>CE, EN 12975-1 compliance certificates for solar collectors;</li> <li>Solar Keymark certificates for solar collectors</li> <li>List of qualified key personnel, together with CVs and professional certificates (valid at the date of presentation);</li> <li>Work Time Schedule;</li> <li>Work Manpower Schedule;</li> <li>Latest Financial Statements (Income Statement and Balance Sheet) for the past 2 years.</li> <li>Bidders applying for both Lots shall additionally submit a Combined Work Time Schedule and a Combined Manpower Schedule, which shall demonstrate their capacity to fully accomplish the works within the required timeframe</li> </ul>
29	C.15.2	Latest Expected date for commencement of Contract	28 April 2017
30	C.15.2	Maximum Expected duration of contract	<b>120</b> days
31		UNDP will award the contract to:	☑ One or more Bidders, depending on the following factors: Under each Lot the contract shall be awarded to

			one Bidder only. One Bidder may be awarded a contract for both Lots, pursuant to Award Criteria stipulated under p.32 below.
32	F.34	Criteria for the Award and Evaluation of Bid	<ul> <li>☑ The evaluation of bids shall be conducted separately for each Lot in accordance with Bid Evaluation Criteria for each Lot listed below. Bidders must meet all these criteria to be deemed technically qualified and responsive under each Lot.</li> <li>☑ Bidders applying for both Lots shall be additionally evaluated against Evaluation Criteria for Bidders applying for both Lots listed below, under the Lots it is deemed technically qualified for, and has offered the lowest price to determine the contracting capacity for multiple lots.</li> <li>☑ In case of consortia, all the qualifications requirements listed herein shall apply towards the lead member.</li> </ul>
			Bid Evaluation Criteria for each Lot
			<ul><li>Minimum 3 years of years of experience;</li><li>Minimum annual turnover for the past year:</li></ul>
			600,000.00 USD
			□ Professional experience: minimum 6 heating systems
			based on solar collectors installed over the past 2 years (only solar hot water production installations combined with
			traditional – natural gas or solid fuels based – boiler plants
			will be considered)
			<ul><li>✓ Full compliance of Bid to the Technical Requirements;</li><li>✓ Warranty on works: minimum 3 years;</li></ul>
			<ul><li>☑ Warranty on solar collectors: minimum 10 years;</li></ul>
			□ Demonstrated capacity to implement all activities within the proposed timeframe, which shall not exceed 120
			calendar days;
			Sufficient human resources capability to qualitatively and timely execute the works with special emphasis on the
			following key personnel:
			<ul><li>a) Manager/Team Leader;</li><li>b) Construction Foreman;</li></ul>
			c) Electric engineer;
			d) Heating installations/heating systems engineer;
			e) Automation Engineer;  Manager/Team Leader with minimum 5 years of
			experience in projects in the same area and of similar
			complexity;
			<ul><li>✓ Valid Licenses for relevant construction works</li><li>✓ Availability of CE, EN 12975-1 compliance certificates for</li></ul>
			solar collectors;
			Evaluation Criteria for Bidders applying for both Lots:
			□ Demonstrated sufficient resources and capability for
			simultaneous implementation of works in both lots for which
			a bid is being made (i.e. different implementation teams);

			<ul> <li>☑ minimum 12 heating systems based on solar collectors installed over the past 2 years (only solar hot water production installations combined with traditional – natural gas or solid fuels based – boiler plants will be considered)</li> <li>☑ Minimum 1.2 M USD annual turnover for the past year</li> <li>Award Criteria</li> <li>☑ Contract shall be awarded to the lowest priced offer of the technically qualified and responsive Bids under each Lot.</li> <li>☑ Award per lot shall also be subject to the following: (a) award to a bidder first the lot where it may be the only one technically qualified; and then (b) award the LOT based on best value for money principle taking into consideration the cumulative amount for both LOTs.</li> </ul>
33	E.29	Post qualification Actions	<ul> <li>✓ Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;</li> <li>✓ Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team;</li> <li>✓ Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder;</li> <li>✓ Inquiry and reference checking with other previous clients on the quality of performance on ongoing or previous contracts completed;</li> <li>✓ Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder</li> </ul>
34		Conditions for Determining Contract Effectivity	☑ UNDP's receipt of Performance Security
35		Other Information Related to the ITB	Further information, instructions and/or amendments to the solicitation documents shall be published at the UNDP Moldova tenders website: <a href="http://www.undp.md/tenders/index.shtml">http://www.undp.md/tenders/index.shtml</a>

## Section 3a: Schedule of Requirements and Technical Specifications

## 1. Background

The Moldova Energy and Biomass Project, funded by the European Union and implemented by UNDP aims to contribute to a more secure, competitive and sustainable energy production in the Republic of Moldova through targeted support to the most viable and readily available local source of renewable energy, namely biomass from agricultural wastes.

During the first phase of the project implemented by UNDP Moldova through 2011-2014 were installed 141 thermal heating systems (11 more than the originally planned 130) primarily burning biomass fuel from agricultural wastes for provision of heating in schools, kindergartens and community centers.

As of December 2014, the project entered into the second phase with the main objective to scale up the successful activities from the first phase of the project and extend them to so far not covered or underrepresented regions and to support the further consolidation of the biomass market. Among other outputs, it aims at installing at least 80 additional municipal heating systems primarily burning biomass briquettes and pellets from agricultural wastes, with specific focus on Transnistria, ATU Gagauzia, Taraclia district and small towns. Additionally though, in a number of 21 of selected communities the project plans to pilot integrated energy saving and energy-efficiency solutions by installing combined solar/biomass technologies.

Given an increased demand from the beneficiary communities, it was agreed to complement the biomass heating systems installed in 28 institutions in the first phase of the project, with solar installations systems for domestic hot water production.

The objective of this assignment is to provide all necessary equipment, labor and services as described herewith and in the attached technical design documentation and BOQs for the installation of solar hot water production installations that will be additionally interconnected with the existing biomass based boiler plants installed in the first phase of the project in the kindergartens, gymnasia and other social institutions.

Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the specifications, and other documents to be used for the procurement of goods and services to be purchased under this Invitation to Bid.

Bidders must not subcontract parts of works, equipment or any other goods or services from another bidder participating in the tender. Bids submitted by two or more bidders shall be all rejected in case they are subcontractors to each other's bid, or a subcontractor to one bid also submits another Bid under its name as lead Bidder.

## 2. Scope of Works

The scope of contract includes supplying, installation, testing and commissioning of the solar hot water production installations within 28 social institutions as specified herein and in the attached design documentation and BOQs. The installation of the solar collectors also includes minor refurbishment works related to the installation and well operation of the installed equipment to be carried out by the contractor.

The Contractor shall furnish all labour, engineering, materials, equipment, supplies, transportation, machinery, tools and travel necessary to perform this contract and execute all the works.

#### Note to the Bidders:

Whenever the specifications require a particular product of a specific brand name/model, bidders may offer a substitute product that is equal in all respects to the specified product, meeting all its salient physical, functional and performance characteristics.

## 3. Technical Requirements

The Bidders shall hold license for provision of construction services in the field of:

- general construction works;
- installation of water supply networks;
- electrical networks;
- thermo-energetic equipment;
- automatic control.

Bidders are requested to elaborate and provide a detailed Work Plan and manpower schedule which will reflect the activities to be implemented, timeframe, and concrete qualified staff responsible for each designed project. The Bidders have to demonstrate the availability of sufficient human resources capability that will allow qualitatively and timely execute the works. The minimum required staff refers to:

- √ Manager/Team Leader;
- ✓ Construction Foreman;
- ✓ Electric engineer;
- ✓ Heating installations/heating systems engineer;
- ✓ Automation Engineer;

The Contractor shall furnish all labour, materials, equipment, supplies, transportation, machinery, tools and travel necessary to perform this contract and execute all the works in accordance with local standards and requirements in constructions.

## 3.1. Procurement and supply of all equipment.

The Contractor will be responsible for entire supply process: shipment (delivery terms - DAP, according to INCOTERMS 2010) and customs clearance. The date or period for delivery should be carefully specified, taking into account the implications of delivery terms. Also, the UNDP will provide the necessary documents (letter for exception of import and excise duties, VAT and payment for customs procedures) that will assist the Contractor in performing the customs clearance.

## 3.2. Construction works and installation of all equipment

The Contractor shall be responsible for the installation of all equipment related to solar hot water production installations in accordance with the Bill of Quantities and elaborated technical documentation, providing safe access and working arrangements at 28 beneficiary institutions.

The Contractor shall ensure that all construction and installation activities are implemented in accordance with technical design documentation, local quality standards and requirements in constructions and are properly coordinated with representatives of building owners, local municipality, structural design company exercising author supervision role, and with UNDP Moldova representatives.

The solar hot water production installations shall be filled up with freeze resistant agent.

## 3.3. Testing of equipment

Testing of equipment shall be carried out at the moment of its installation. The testing results shall be recorded. A validation report shall be prepared once this process is complete.

## 3.4. The provision of basic training and training materials

In order to ensure an efficient and proper use of the installed equipment the Contractor will organize and carry out relevant training for local technical staff designated by the administration of 28 beneficiary institutions. At least two (2) specialists per each beneficiary institution will be trained to safely and effectively use installed solar hot water production installations, according to its purpose and user's guide. The training will be organized locally at the premises of beneficiary institutions. The training will be provided in Romanian and Russian languages based on beneficiary preferences. It is also essential that end-users are provided with information contained in manufacturer's instructions and that it is explained in details.

## 3.5. Commissioning of works

At this stage the Contractor will carry out commissioning of all installed equipment, materials and construction works including making required performance test measurements. In particular, the Contractor will need to demonstrate efficient operation of the heating systems in conjunction with the existing biomass based boiler plants.

The relevant paperwork shall be completed: commissioning record and handover report. The signature will be obtained from a committee that will include representation of beneficiary institutions, UNDP Moldova and Contractor. At the same time, the Contractor will provide detailed documentation on the operation and maintenance of installed equipment. All the documentation should be in Romanian and/or Russian language as may be applicable.

Contractor shall ensure that all the construction and installation activities are properly coordinated with representatives of building owners, local municipality and UNDP Moldova. Local authorities and UNDP Moldova will assist Contractor in obtaining and requesting necessary approvals, if necessary.

### 3.6. Solar Collectors

The solar hot water production installations shall include all the components specified in the design documents including solar collector with vacuum tubes, bivalent heating boiler, solar pump group, drain back tank, expansion tank for water heater, control panel, security valve, water meter, thermometer, manometer, pipes as may be applicable. The solar collectors shall be certified and comply with the latest version of EN 12975-1 European standard accompanied by Solar Keymark Certificate. All collectors must be freeze resistant and upon installation, the systems must be filled with glycol based heat transfer fluid.

In particular, the solar collectors must comply to the following specifications:

Specification	Requirement
Collector type	Evacuated tube
Peak output (G = 1000 W/m <sup>2</sup> )	Minimum 2000 W
Aperture area, m <sup>2</sup>	Minimum 2.8 m <sup>2</sup>
Warranty period	10 years
Drain back compatibility	Compatible with drain-back systems

## 4. Sites

The Works are grouped as follows:

	Name of Project	Community/District	Contact Person
1.	Lot 1		
1.1.	Installation of solar collectors for domestic hot- water in kindergarten "Albinuta" from village Cotiujeni, district Briceni	Cotiujeni, Briceni	Mayor Mihai Ursu tel. 0247-46 -336, 0692- 12-662 Director Valentina Ursu tel. 0247-46-331, 0682-24-668
1.2.	Installation of solar collectors for domestic hot- water in kindergarten "Romanita" from village Ruseni, district Edinet	Ruseni, Edinet	Mayor Denis Usturoi Tel. 0246-65-336, 0690-32-621
1.3.	Installation of solar collectors for domestic hot- water in kindergarten "Foisor" from village Hincauti, district Edinet	Hincauti, Edinet	Mayor Ghenadie Dascăl tel. 0246-76-227, 0600-09-097 Director Stela Naghirneac tel. 0676-13-598
1.4.	Installation of solar collectors for domestic hot- water in kindergarten "Andries" from village Cuhurestii de Sus, district Floresti	Cuhurestii de Sus, Floresti	Mayor Valeriu Lupan, tel 0250-57-236, 0600-39-588 Director Vera Melnic tel. 0250-57-430, 0694-29-826
1.5.	Installation of solar collectors for domestic hot- water in elementary school and kindergarten from village Rusestii Vechi, district Ialoveni	Rusestii Vechi, Ialoveni	Mayor Pavel Codreanu tel 0268-41-236, 0672-91-368 Director Diana Nastas tel. 0268-42-593, 0691-62-646
1.6.	Installation of solar collectors for domestic hot- water in gymnasium from village Fundurii Vechi, district Glodeni	Fundurii Vechi, Glodeni	Mayor Emilia Vieru, tel 0249-73-236, 0798-40-808
1.7.	Installation of solar collectors for domestic hot- water in kindergarten "Andries" from village Hadarauti, district Ocnita	Hadarauti, Ocnita	Mayor Iurie Lupu, tel 0271-76-241, 0603-58-422
1.8.	Installation of solar collectors for domestic hot- water in elementary school and kindergarten from village Cotul Morii, district Hincesti	Cotul Morii, Hincesti	Mayor Lucia Gustiuc tel. 0269-77-536, 0696-43-470 Director Rita Danila tel 0269-77-824
1.9.	Installation of solar collectors for domestic hot- water in kindergarten "Teremok" from village Crasnoarmeiscoe, district Hincesti	Crasnoarmeiscoe, Hincesti	Mayor Alexandru Todoseiciuc tel 0269-71-236, 0691-86-234 DirectorSvetlana Grubleac tel 0792-65-347

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1.10.	Installation of solar collectors for domestic hot- water in kindergarten "Pestisorul de Aur" from village Calfa, district Anenii Noi	Calfa, Anenii Noi	Mayor Liudmila Ceaglic tel 0265-37-241, 0691-10-290 Director Natalia Grigoras tel. 0265-93-042, 0699-75-103
1.11.	Installation of solar collectors for domestic hot- water in kindergarten "Romanita" from village Tareuca, district Rezina	Tareuca, Rezina	Mayor Mihail Olari tel 0254-33-236, 0675-08-728
1.12.	Installation of solar collectors for domestic hot- water in kindergarten from village Vorniceni, district Straseni	Vorniceni, Straseni	Mayor Vasile Tofan tel 0237-46-236, 0606-96-853 Director Mariana Cociuc tel 0692-61-173
1.13.	Installation of solar collectors for domestic hotwater in kindergarten from village Parcani, district Soldanesti	Parcani, Soldanesti	Mayor Valeriu Lopaci tel 0272-62-236, 0797-05-531 Director Angela Chilimaru tel 0272-62-111
1.14.	Installation of solar collectors for domestic hotwater in kindergarten from village Floritoaia Veche, district Ungheni	Floritoaia Veche, Ungheni	Mayor Sergiu Margarin tel 0236-41-436, 0693-59-135
2.	<u>Lot 2</u>		
2.1.	Installation of solar collectors for domestic hot- water in kindergarten "Soarele" from village Sarata Noua, district Leova	Sarata Noua, Leova	Mayor Tatiana Gorgos tel 0263-62-236, 0681-01-666 Director Maria Danurcova tel 0263-93-981
2.2.	Installation of solar collectors for domestic hot- water in gymnasium "Constantin Stere" and kindergarten "Prichindel" from village Javgur, district Cimislia	Javgur, Cimislia	Mayor Gheorghe Vacarciuc tel 0241-33-236, 0673-10-310 Director Elena Goreanu Tel.0241-33-337, 0784-50-342
2.3.	Installation of solar collectors for domestic hot- water in kindergarten "Floricica" from village Andrusul de Sus, district Cahul	Andrusul de Sus, Cahul	Mayor Sorin Ciobanu tel 0299-58-987, 0795-56-206 Director Maria Dmitriadi tel 0299-58-203, 0798-66-973
2.4.	Installation of solar collectors for domestic hotwater in kindergarten from village Tiganca, district Cantemir	Tiganca, Cantemir	Mayor Petru Gandrabur tel 0273-53-236, 0794-67-192
2.5.	Installation of solar collectors for domestic hot- water in kindergarten from village Larguta, district Cantemir	Larguta, Cantemir	Mayor Dumitru Tarnovschi Tel 0273-76-236
2.6.	Installation of solar collectors for domestic hot- water in kindergarten "Guguta" from village Crocmaz, district Stefan Voda	Crocmaz, Stefan Voda	Mayor Ion Velesco tel 0242-46-236, 0690-02-307 Director Clara Bordian tel 0242-46-798, 0681-76-832
2.7.	Installation of solar collectors for domestic hot- water in kindergarten No.1 "Andries" from village Rascaieti, district Stefan Voda	Rascaieti, Stefan Voda	Mayor Zinaida Marin tel 0242-36-236, 0698-59-286 Director Ludmila Zagoreţ tel 0242-36-0466, 0694-57-145
2.8.	Installation of solar collectors for domestic hot- water in kindergarten from village Novosiolovca, district Taraclia	Novosiolovca, Taraclia	Mayor Ecaterina Jentica tel 0294-34-136, 079-83-13-002 Director Stepanida Lantinova tel 029434116
2.9.	Installation of solar collectors for domestic hotwater in kindergarten from village Cairaclia, district Taraclia	Cairaclia, Taraclia	Mayor Maria Danu tel 0294-66-236, 0681-51-005
2.10.	Installation of solar collectors for domestic hotwater in kindergarten from village Ciumai, district Taraclia	Ciumai, Taraclia	Mayor Tatiana Țurcanu, tel 0294-92-236, 0788-00-288 Director Inga Ropot tel 0294-92-370 0784-76-844

2.11.	Installation of solar collectors for domestic hotwater in kindergarten from village Carbalia, UTAG	Carbalia, UTAG	Mayor Constantin Gaidarji Tel 0294-63-236, 0796-05-405
2.12.	Installation of solar collectors for domestic hotwater in kindergarten from village Tomai, UTAG	Tomai, UTAG	Mayor Fedor Tonciu tel0291-51-236, 0603-00-982 Director Natalia Savina tel 0291-71-236, 0681-92-640
2.13.	Installation of solar collectors for domestic hotwater in kindergarten from village Gaidar, UTAG	Gaidar, UTAG	Mayor Ilie Chiosea tel 0291-71-236, 0799-09-249 Director Valentina Curu tel 0291-71-830
2.14.	Installation of solar collectors for domestic hot- water in the Training Centre for Operators of solid biofuel heating plants and combined systems, in Chisinau	7/1 Gheorghe Asachi str., Chisinau (Construction Excellence Center)	Director Valeriu Pelivan Tel.: +373 22 72-12-34

Table 1

**Site visits:** Bidders are required to visit and examine the Sites and their surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract. Bidders should arrange site visits at their own cost. Bidders should arrange site visits with the following contact person from UNDP: Vitalie Vieru, MEBP Engineer (vitalie.vieru@undp.org).

## 5. Warranty Period

The Warranty period on works shall commence upon the Take Over and last up to **3 years**, except solar collectors that shall be covered by **10 years** warranty period.

## 6. Management arrangements

Each construction project will be monitored by designated UNDP Engineer ("the Engineer") which will carry out systematic monitoring site visits. Additionally, the local administration will hire technical supervisors to monitor daily construction activities.

## 7. Required Deliverables

The following is the list of required key deliverables.

**Deliverable 1**: Accomplishment of all construction works, supply and installation of all equipment within **100 calendar days** from Contract signature

**Deliverable 2:** Final Commissioning of works within **120 calendar days** from contract signature, including delivery and installation of the equipment, testing, putting into operation, commissioning and training of operators.

## **Section 3b: Related Services**

Further to the Schedule of Requirements in the preceding Table, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfillment of the requirements:

Delivery Term	□ FCA	☐ CPT	☐ CIP	⊠ DAP
[INCOTERMS 2010]				
Exact Address of	Please refer to 1	Section 3a: Sch	edule of Requ	irements and Technical
Delivery/Installation Location	Specifications		_	
Delivery Date	120 calendar days from contract signature			
Customs, if needed, clearing shall be	□UNDP	⊠Sup	plier	⊠Freight Forwarder
done by:				
Installation Requirements	Please refer to 5	Section 3a: Sch	edule of Requ	irements and Technical
	Specifications			
Testing Requirements	Please refer to 5	Section 3a: Sch	edule of Requ	irements and Technical
	Specifications			
Scope of Training on Operation and	Please refer to 5	Section 3a: Sch	edule of Requ	iirements and Technical
Maintenance	Specifications			
Commissioning	Please refer to 5	Section 3a: Sch	edule of Requ	iirements and Technical
	Specifications			
Technical Support Requirements		Section 3a: Sch	edule of Requ	iirements and Technical
	Specifications			
Payment Terms	⊠ 100% within	130 days upon	UNDP's accep	otance of the goods delivered
	as specified and	d receipt of inv	oice	
Conditions for Release of Payment	⊠ Written Acce	eptance of wor	ks based on f	ull compliance with
	requirements			
	Submission	of the invoice		
After-sale services required	Warranty on     ■ War	Parts and Lab	or for minimu	m period 3 years
	Warranty on the second contract of t	solar collector	rs for minimur	n period 10 years
	□ Technical Su	ıpport, Servicir	ng and Mainte	nance
All documentations, including	☐ English	☐ French	⊠ Others: F	Romanian/Russian
catalogs, instructions and operating				
manuals, shall be in this language				

## Section 4: Bid Submission Form<sup>4</sup>

# (This should be written in the Letterhead of the Bidder. Except for indicated fields, no changes may be made in this template.)

[insert: Location] [insert: Date]

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to supply the goods and related services required for [insert: title of goods and services required as per ITB] in accordance with your Invitation to Bid dated [insert Bid date]. We are hereby submitting our Bid, which includes the Technical Bid and Price Schedule.

We hereby declare that:

- a) All the information and statements made in this Bid are true and we accept that any misrepresentation contained in it may lead to our disqualification;
- b) We are currently not on the removed or suspended vendor list of the UN or other such lists of other UN agencies, nor are we associated with, any company or individual appearing on the 1267/1989 list of the UN Security Council;
- c) We have no outstanding bankruptcy or pending litigation or any legal action that could impair our operation as a going concern; and
- d) We do not employ, nor anticipate employing, any person who is or was recently employed by the UN or UNDP.

We confirm that we have read, understood and hereby fully accept the Schedule of Requirements and Technical Specifications describing the duties and responsibilities required of us in this ITB, and the General Terms and Conditions of UNDP's Standard Contract for this ITB.

We agree to abide by this Bid for [insert: period of validity as indicated in Data Sheet].

We undertake, if our Bid is accepted, to initiate the supply of goods and provision of related services not later than the date indicated in the Data Sheet.

We fully understand and recognize that UNDP is not bound to accept this Bid that we shall bear all costs associated with its preparation and submission, and that UNDP will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the evaluation.

We remain,	
Yours sincerely,	
Authorized Signature [In full and initial Name and Title of Signatory: Name of Firm: Contact Details:	
[Please mark this lette	r with your corporate seal, if available]

<sup>&</sup>lt;sup>4</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

# Section 5: Documents Establishing the Eligibility and Qualifications of the Bidder

## Bidder Information Form<sup>5</sup>

Date: [insert date (as day, month and year) of Bid Submission] ITB No.: [insert number of bidding process] Page \_\_\_\_\_ of \_\_\_\_ pages 1. Bidder's Legal Name: [insert Bidder's legal name] 2. In case of Joint Venture (JV), legal name of each party: [insert legal name of each party in JV] 3. Actual or intended Country/ies of Registration/Operation: [insert actual or intended Country of Registration] 4. Year of Registration in its Location: [insert Bidder's year of registration] 5. Countries of Operation 6. No. of staff in each Country 7. Years of Operation in each Country 8. Legal Address/es in Country/ies of Registration/Operation: [insert Bidder's legal address in country of registration] 9. Value and Description of Top three (3) Biggest Clients for the past three (3) years Name of Client Contract Period of Types of Status or Date **References Contact** project Value activity activities Completed Details (Name, Phone, undertaken Email) 1. 2. 3. 10. Latest Credit Rating (Score and Source, if any) 11. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved. 12. Bidder's Authorized Representative Information Name: [insert Authorized Representative's name] Address: [insert Authorized Representative's address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address] 13. Are you in the UNPD List 1267.1989 or UN Ineligibility List?  $\square$  YES or  $\square$  NO 14. Attached are copies of original documents of: ☐ All eligibility document requirements listed in the Data Sheet  $\square$  If Joint Venture/Consortium – copy of the Memorandum of Understanding/Agreement or Letter of Intent to form a JV/Consortium, or Registration of JV/Consortium, if registered ☐ If case of Government corporation or Government-owned/controlled entity, documents establishing legal and financial autonomy and compliance with commercial law.

<sup>&</sup>lt;sup>5</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, no alterations to its format shall be permitted and no substitutions shall be accepted.

## Joint Venture Partner Information Form (if Registered)<sup>6</sup>

Date: [insert date (as day, month and year) of Bid Submission]

ITB No.: [insert number of bidding process] Page \_\_\_\_\_ of \_\_\_\_ pages 1. Bidder's Legal Name: [insert Bidder's legal name] 2. JV's Party legal name: [insert JV's Party legal name] 3. JV's Party Country of Registration: [insert JV's Party country of registration] 4. Year of Registration: [insert Party's year of registration] 5. Countries of Operation 6. No. of staff in each Country 7. Years of Operation in each Country 8. Legal Address/es in Country/ies of Registration/Operation: [insert Party's legal address in country of registration] 9. Value and Description of Top three (3) Biggest Clients for the past five (3) years Name of Client Contract Period of Types of Status or **References Contact** project Value activity activities Date Details (Name, Phone, Completed undertaken Email) 10. Latest Credit Rating (if any) 11. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved. 13. JV's Party Authorized Representative Information Name: [insert name of JV's Party authorized representative] Address: [insert address of JV's Party authorized representative] Telephone/Fax numbers: [insert telephone/fax numbers of JV's Party authorized representative] Email Address: [insert email address of JV's Party authorized representative] 14. Attached are copies of original documents of: [check the box(es) of the attached original documents] ☐ All eligibility document requirements listed in the Data Sheet  $\square$  Articles of Incorporation or Registration of firm named in 2.

☐ In case of government owned entity, documents establishing legal and financial autonomy and compliance with

commercial law.

<sup>&</sup>lt;sup>6</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, no alterations to its format shall be permitted and no substitutions shall be accepted.

# **Section 6: Technical Bid Form**

		INS	SERT TITLE OF THE ITB
Name of Rido	ling Organizatio	n / Firm:	
Country of Re			
	tact Person for t	his Bid:	
Address:			
Phone / Fax:			
Email:			
responsible for project. This sh	the Contract im	nplementation, pro in the Bidder's pr	the Bidder, all Subcontractors and their key staff that will become oject management approach, taking into account Site locations of the oposed Time Schedule and Manpower Schedule in terms of Bidder's nt. Technical Bids not submitted in this format may be rejected
		SECTION 1: EX	PERTISE OF FIRM/ ORGANISATION
its legal mand budget, etc. firm has beer services, indice 1.2. Financia	dates/authorized Include referend In involved that of Cating the status I Capacity: Base	d business activition to the to reputation, on the could adversely afformation of such litigated on the latest A	vide a brief description of the organization / firm submitting the Bid, es, the year and country of incorporation, and approximate annual or any history of litigation and arbitration in which the organisation / fect or impact the delivery of goods and/or performance of related gation/arbitration.  udited Financial Statement (Income Statement and Balance Sheet) by credit lines, etc.) of the bidder to engage into the contract. Include
1.3. Track Re least the last	cord and Experie two (2) years wh		e following information regarding corporate experience within at relevant to those required for this Contract.
Starting	Ending	Dala aftha Annli	Project Identification
[indicate month/ year]	[indicate   month/year]	☐ Main Contract	cant/Consortium Member ( <i>Please choose relevant</i> ): tor
			<u>e Works performed by the Applicant:</u> It water production system
		□ solar hot wate solid fuels based · [describe works p interconnected b	er production installation combined with traditional – natural gas or – boiler plant performed briefly, description should include at least capacity of oiler plant, type of works performed, type and number of solar
		Name of Employe Name of Main Coname of Main Coname of Main Conact Person of Main Conact	act/subcontract: [insert amount in USD] er: [indicate full name] entractor (if work was performed as Subcontractor): [indicate full ntractor]:  of the Main Contractor (if work was performed as Subcontractor):
		codes and E-mail Contact Person of phone number in	ne of the contact person, his phone number including area and city  I. Please ensure that phone number and E-mail are operational].  If the Employer: [Indicate full name of the contact person, his cluding area and city codes and E-mail. Please ensure that phone ail are operational]

#### SECTION 2 - SCOPE OF SUPPLY, TECHNICAL SPECIFICATIONS, AND RELATED SERVICES

This section should demonstrate the Bidder's responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the specifications.

<u>2.1. Scope of Supply</u>: Please provide a detailed description of the goods to be supplied <u>bivalent boilers</u>, <u>pumps</u>, <u>solar collectors</u> indicating clearly how they comply with the technical specifications required by the ITB (see below table);

Item No.	Description/ Specification of Goods	Source/ Manufacturer	Country of Origin	Qty	Quality Certificate/ CE marking certificates EN 12975-1, Solar Keymark certificates

A supporting document with full details may be annexed to this section

### Relevant manufacturer authorizations shall be attached for all offered boilers and solar collectors.

- 2.2. Technical Quality Assurance Mechanisms: The bid shall also include details of the Bidder's internal technical and quality assurance review mechanisms, all the appropriate quality certificates, export licenses and other documents attesting to the superiority of the quality of the goods and technologies to be supplied. Bidders should attach a management quality assurance system and monitoring mechanism narrative description for the construction work. Such a description should include the Bidder's policy on Quality, Environment, Health & Safety (hereinafter: **QEHS**) at construction site. If Bidder's management systems are certified according to quality management system standards (ISO 9001 or similar), environmental management system standards (ISO 14000 family or similar) or occupational health and safety management system standards (OHSAS 18001 or similar), then copies of all certificates should be provided.
- <u>2.3. Machinery</u>: List any specialized equipment/machinery, containing information about the model and year of manufacture of each item (Bidders shall indicate whether the equipment is their own or rented).
- <u>2.4 After Sales service</u>: Describe after sales service conditions and organization (resources, contact information, reaction time, etc.) including availability and supply of spare and wear parts.
- 2.5. Warranty conditions: Describe proposed terms and procedures of handling warranty claims.
- <u>2.6. Training</u>: Describe the proposed approach on provision of training to the personnel responsible for the operation of the heating systems. Provide a brief outline of training modules.
- <u>2.7. Subcontracting</u>: Explain whether any work would be subcontracted, to whom, how much percentage of the work, the rationale for such, and the roles of the proposed sub-contractors, making specific connections to the items specified in the Bills of Quantities.
- <u>2.8. Risks / Mitigation Measures</u>: Please describe the potential risks for the implementation of this project that may impact achievement and timely completion of expected results as well as their quality. Describe measures that will be put in place to mitigate these risks.
- <u>2.9. Implementation Timelines:</u> The Bidder shall submit <u>Work Time Schedule</u> in the form of a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing. The Work Time Schedule shall be made upon a weekly time scale and should include:
  - i) Sites' specific full names;
  - ii) Realistic and achievable timeframes taking into account all the available resources and constraints;
  - iii) Appropriate level of detail to control and monitor all the construction activities;
  - iv) All Site specific milestones.
- <u>2.10. Anti-Corruption Strategy (Optional)</u>: Define the anti-corruption strategy that will be applied in this project to prevent the misuse of funds. Describe the financial controls that will be put in place.

- <u>2.11 Statement of Full Disclosure</u>: This is intended to disclose any potential conflict in accordance with the definition of "conflict" under Section 4 of this document, if any.
- 2.12 Other: Any other comments or information regarding the bid and its implementation.

Bidders applying for more than one lot shall additionally submit a <u>Combined Work Time Schedule</u> for all the lots for which they are placing a bid, which shall demonstrate their capacity to fully accomplish the works within the required timeframe.

#### **SECTION C: PERSONNEL**

This section should fully explain the Bidder's resources in terms of personnel and facilities necessary for the performance of this requirement.

- <u>3.1</u> Management Structure: Describe the overall management approach toward planning and implementing the contract. Include an organization chart for the management of the contract, if awarded.
- 3.2 Staff Time Allocation: Provide a **Work Manpower Schedule** in the form of a spreadsheet to show the activities of each personnel involved in the implementation of the contract. Where the expertise of the personnel is critical to the success of the contract, UNDP will not allow substitution of personnel whose qualifications had been reviewed and accepted during the bid evaluation. (If substitution of such a personnel is unavoidable, substitution or replacement will be subject to the approval of UNDP. No increase in costs will be considered as a result of any substitution).

Bidders applying for more than one lot shall additionally include a Combined Manpower Schedule for all the lots for which they are placing a bid, which shall demonstrate their capacity to fully accomplish the works within the required timeframe.

3.3 Qualifications of Key Personnel. Provide the CVs for key personnel (Manager/Team Leader, Construction Foreman, Electric engineer, Heating installations/heating systems engineer, Automation Engineer) that will be provided to support the implementation of this project. CVs should demonstrate qualifications in area of expertise relevant to the Contract. Attach relevant qualification certificates to each CV. Please use the format below:

Name:			
Role in Contract Implementat	tion:		
Nationality:			
Language Skills:			
<b>Education and other Qualifica</b>	ations:		
Relevant Experience (start wi	th the most recen	t):	
Period: From – To	Name of activity organisation, if a	/ Project/ funding applicable:	Job Title and Activities undertaken/Description of actual role performed:
e.g. June 2010-January 2011			
Etc.			
Etc.			
Declaration:  I confirm my intention to serv proposed contract. I also und disqualification, before or dur	erstand that any w	vilful misstatement des	ability to serve for the term of the scribed above may lead to my
Signature of the Nominated T	eam Leader/Memb	er –	Date Signed

## Section 7: Price Schedule Form<sup>7</sup>

The Bidder is required to prepare and attach with the bid:

- 1. Lot Price Schedule;
- 2. Site Price Schedule and Bill of Quantities for each individual Site (Annexes 1-28);

All prices/rates quoted must be exclusive of all taxes, since the United Nations, including its subsidiary organs, is exempt from taxes.

The format shown in the attached BOQs shall be used in preparing the Price Schedule and the totals shall be included in the tables below.

	Lot Price Schedule			
1.	Lot 1	of works (USD)		
1.1	Installation of solar collectors for domestic hot-water in kindergarten			
	"Albinuta" from village Cotiujeni, district Briceni			
1.2	Installation of solar collectors for domestic hot-water in kindergarten			
	"Romanita" from village Ruseni, district Edinet			
1.3	Installation of solar collectors for domestic hot-water in kindergarten			
	"Foisor" from village Hincauti, district Edinet			
1.4	Installation of solar collectors for domestic hot-water in kindergarten			
	"Andries" from village Cuhurestii de Sus, district Floresti			
1.5	Installation of solar collectors for domestic hot-water in elementary			
	school and kindergarten from village Rusestii Vechi, district Ialoveni			
1.6	Installation of solar collectors for domestic hot-water in gymnasium			
	from village Fundurii Vechi, district Glodeni			
1.7	Installation of solar collectors for domestic hot-water in kindergarten			
	"Andries" from village Hadarauti, district Ocnita			
1.8	Installation of solar collectors for domestic hot-water in elementary			
	school and kindergarten from village Cotul Morii, district Hincesti			
1.9	Installation of solar collectors for domestic hot-water in kindergarten			
	"Teremok" from village Crasnoarmeiscoe, district Hincesti			
1.10	Installation of solar collectors for domestic hot-water in kindergarten			
	"Pestisorul de Aur" from village Calfa, district Anenii Noi			
1.11	Installation of solar collectors for domestic hot-water in kindergarten			
	"Romanita" from village Tareuca, district Rezina			
1.12	Installation of solar collectors for domestic hot-water in kindergarten			
	from village Vorniceni, district Straseni			
1.13	Installation of solar collectors for domestic hot-water in kindergarten			
	from village Parcani, district Soldanesti			
1.14	Installation of solar collectors for domestic hot-water in kindergarten			
	from village Floritoaia Veche, district Ungheni			
TOT	AL LOT 1			

<sup>&</sup>lt;sup>7</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

	Lot Price Schedule	Estimated cost of works (USD)
2.	Lot 2	
2.1	Installation of solar collectors for domestic hot-water in kindergarten	
	"Soarele" from village Sarata Noua, district Leova	
2.2	Installation of solar collectors for domestic hot-water in gymnasium	
	"Constantin Stere" and kindergarten "Prichindel" from village Javgur,	
	district Cimislia	
2.3	Installation of solar collectors for domestic hot-water in kindergarten	
	"Floricica" from village Andrusul de Sus, district Cahul	
2.4	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Tiganca, district Cantemir	
2.5	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Larguta, district Cantemir	
2.6	Installation of solar collectors for domestic hot-water in kindergarten	
	"Guguta" from village Crocmaz, district Stefan Voda	
2.7	Installation of solar collectors for domestic hot-water in kindergarten	
	No.1 "Andries" from village Rascaieti, district Stefan Voda	
2.8	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Novosiolovca, district Taraclia	
2.9	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Cairaclia, district Taraclia	
2.10	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Ciumai, district Taraclia	
2.11	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Carbalia, UTAG	
2.12	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Tomai, UTAG	
2.13	Installation of solar collectors for domestic hot-water in kindergarten	
	from village Gaidar, UTAG	
2.14	Installation of solar collectors for domestic hot-water in the Training	
	Centre for Operators of solid biofuel heating plants and combined	
	systems, in Chisinau	
TOT	AL LOT 2	

Signature of Bidder .....

## Section 8: FORM FOR BID SECURITY

# (This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in this template.)

To: UNDP

[insert contact information as provided in Data Sheet]

WHEREAS [name and address of Contractor] (hereinafter called "the Bidder") has submitted a Bid to UNDP dated [insert date], to deliver goods and execute related services for [indicate ITB title] (hereinafter called "the Bid"):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security in the event that the Bidder:

- a) Fails to sign the Contract after UNDP has awarded it;
- b) Withdraws its Bid after the date of the opening of the Bid;
- c) Fails to comply with UNDP's variation of requirement, as per ITB Section F.35; or
- d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such this Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of [amount of guarantee] [in words and numbers], such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [amount of guarantee as aforesaid] without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid until a date 30 days after the date of validity of the bids.

## SIGNATURE AND SEAL OF THE GUARANTOR BANK

Date:		
Name of Bank:		
Address:		

## Section 9: FORM FOR PERFORMANCE SECURITY

(This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in this template.)

To: UNDP

[insert contact information as provided in Data Sheet]

WHEREAS [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. [insert contract no.] dated [insert date], to deliver the goods and execute related services [insert relevant text] (hereinafter called "the Contract"):

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of [amount of guarantee] [in words and numbers], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [amount of guarantee as aforesaid] without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid until a date 30 days from the date of issue by UNDP of a certificate of satisfactory performance and full completion of services by the Contractor.

## SIGNATURE AND SEAL OF THE GUARANTOR BANK

Date:	
Name of Bank:	
Address:	

## Section 10: Form for Advanced Payment Guarantee<sup>8</sup>

# (This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in this template.)

	[Bank's Name, and Address of Issuing Branch or Office]
Benefi	ary:[Name and Address of UNDP]
Date:	<del></del>
ADVA	E PAYMENT GUARANTEE No.:
Contra	e been informed that <i>[name of Company]</i> (hereinafter called "the Contractor") has entered into No. <i>[reference number of the contract]</i> dated <i>[insert: date]</i> with you, for the provision of <i>[brief on of ITB requirements]</i> (hereinafter called "the Contract").
	nore, we understand that, according to the conditions of the Contract, an advance payment in the amount in words] ([amount in figures]) is to be made against an advance payment guarantee.
sums i your fi its obli	equest of the Contractor, we [name of Bank] hereby irrevocably undertake to pay you any sum or t exceeding in total an amount of [amount in words] ([amount in figures]) <sup>9</sup> upon receipt by us of t demand in writing accompanied by a written statement stating that the Contractor is in breach of attion under the Contract because the Contractor has used the advance payment for purposes other ward providing the goods and related services under the Contract.
referre	andition for any claim and payment under this guarantee to be made that the advance payment to above must have been received by the Contractor on its account number at [name ress of Bank].
payme preser certific or on t	timum amount of this guarantee shall be progressively reduced by the amount of the advance repaid by the Contractor as indicated in copies of certified monthly statements which shall be do to us. This guarantee shall expire, at the latest, upon our receipt of the monthly payment the indicating that the Contractor has made full repayment of the amount of the advance payment, and advance of the contractor has made full repayment of the amount of the advance payment, and advance of the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment, and the contractor has made full repayment of the amount of the advance payment of the contractor has made full repayment of the amount of the advance payment of the contractor has made full repayment of the amount of the advance payment of the contractor has made full repayment of the amount of the advance payment of the contractor has made full repayment of the amount of the advance payment of the amount of the advance payment of the contractor has a contra
This gu	rantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.
	gnature(s)]
Note:	All italicized text is for indicative purposes only to assist in preparing this form and shall be deleted from the final product.

<sup>8</sup> This Guarantee shall be required if the Contractor will require advanced payment of more than 20% of the contract amount, or if the absolute amount of the advanced payment required will exceed the amount of USD 30,000, or its equivalent if the price offer is not in USD, using the exchange rate stated in the Data Sheet. The Contractor's Bank must issue the Guarantee using the contents of this template.

<sup>&</sup>lt;sup>9</sup> The Guarantor Bank shall insert an amount representing the amount of the advanced payment and denominated either in the currency/ies of the advanced payment as specified in the Contract.

## **Section 11: Contract**

		Date
Dear Sir	r/Madam,	
Ref.:	/[INSERT PROJECT NUMBER AND TITLE]	
duly inc	ited Nations Development Programme (hereinafter referred to as "UNDP"), wishes to corporated under the Laws of [INSERT NAME OF THE COUNTRY] (hereinactor") in order to perform [INSERT SUMMARY DESCRIP after referred to as the "Works"), in accordance with the following Contract:	nafter referred to as the
1.Contr	ract Documents	
1.1	This Contract is subject to the UNDP General Conditions for Civil Works,	as Annex I. The provisions be deemed to have been
1.2	The Contractor and UNDP also agree to be bound by the provisions contained in the foll shall take precedence over one another in case of conflict in the following order:	lowing documents, which
	<ul> <li>a) this Contract;</li> <li>b) The General Conditions of Contract for Civil Works</li> <li>c) Annexes [insert relevant Annexes]</li> <li>d) The Contractor's Tender [IF THE CONTRACT IS ON THE BASIS OF UNIT the Price Activity Schedule] [ref, dated], as clarified by the agreed mi meeting 10 [dated], not attached hereto but known to and in the possession of</li> </ul>	nutes of the negotiation
1.3	All the above shall form the Contract between the Contractor and UNDP, superseding to negotiations and/or agreements, whether oral or in writing, pertaining to the subject of	
2.	Obligations of the Contractor	
2.1	The Contractor shall commence work within [INSERT NUMBER OF DAYS] days from shall have been given access to the Site and received the notice to commence from perform and substantially complete the Works by// [INSERT DATE], in accordance Contractor shall provide all materials, supplies, labour and other services necessary to the services of the contractor shall provide all materials.	n the Engineer, and shall be with the Contract. The
2.2	The Contractor shall submit to the Engineer the Programme of Work referred to in Conditions by// [INSERT DATE].	Clause 13 of the General
2.3	The Contractor represents and warrants the accuracy of any information or data propurpose of entering into this Contract, as well as the quality of the Works foresee accordance with the highest industrial and professional standards.	
	OPTION 1 (FIXED PRICE)	
3.	Price and Payment <sup>11</sup>	

<sup>&</sup>lt;sup>10</sup> If there are updates to the technical proposal or correspondence exchanged in clarification of certain aspects, reference them too, provided that they are acceptable to UNDP. Otherwise, aspects which resolution is pending should be dealt with in this letter itself or in the Technical Specifications/Drawings, as appropriate.

<sup>&</sup>lt;sup>11</sup> This version of section 3 is to be used for fixed price contracts. Fixed price contracts should normally be used when it is possible to estimate with reasonable accuracy the costs of the activities which are the subject of the Contract.

3.1			e of the Works under this Contract, UNDP shall SERT CURRENCY & AMOUNT IN FIGURES AND	
3.2	The price of this Contract is not subject to an the actual costs incurred by the Contractor in		on because of price or currency fluctuations or the Contract.	
3.3	Invoices shall be submitted by the Contracto and for the following amounts:	r to the Engineer upon	achievement of the corresponding milestones	
	MILESTONE	AMOUNT	DATE	
	Upon signature of Contract		//	
	Upon substantial completion of Works Upon final completion of Works		// // //	
3.4	Where two currencies are involved, the rate the UNDP instruct its Bankers to effect the p	_	he official rate applied by the UNDP on the day	
	OPTION 2 (C	OST REIMBURSEMEN	т)	
3.	Price and payment			
3.1	The total estimated price of the Contract is contained in the Price Activity Schedule and amounts to  [INSERT CURRENCY & AMOUNT IN FIGURES AND WORDS].			
3.2	utilized in the complete and satisfactory perf	ormance of the Works	of the actual quantities of work and materials as certified by the Engineer and the unit prices are fixed and are not subject to any variation	
3.3	3.1 above, he shall so inform the Engineer wi the estimated price of the Contract as a resu work to be performed or materials to be u	ithout delay, in order foult of a larger quantity sed. UNDP shall not ess this latter amoun	exceed the total estimated price contained in or UNDP to decide, at its discretion, to increase of work/material or to reduce the quantity of be responsible for payment of any amount in t has been increased by means of a written flow.	
3.4		WORDS] upon signatu every [INS	re of this Contract by both parties, invoices for ERT PERIOD OF TIME OR MILESTONES] and a	
-	FOLLOWING CLAUSES ARE COMMON TO OPTICE EN FOR ARTICLE 3]	ONS 1 & 2 AND MUST	BE NUMBERED ACCORDING TO THE OPTION	
3.@	approving the amount contained in the invoi UNDP may effect payment for the amount on not performed at any time in accordance wi	ce. The Engineer may i so corrected. The Engi th the terms of the Co	ertificate of payment issued by the Engineer, make corrections to that amount, in which case neer may also withhold invoices if the work is entract or if the necessary insurance policies or er shall process the invoices submitted by the	
3.@	Payments effected by UNDP to the Contractor under this Contract nor as acceptance by UN		ither to relieve the Contractor of its obligations sperformance of the Works.	

- 3.@ Where two currencies are involved, the rate of exchange shall be the official rate applied by the UNDP on the day the UNDP instruct its Bankers to effect the payment(s).
- 3.@ Payment of the final invoice shall be effected by UNDP after issuance of the Certificate of Final Completion by the Engineer.

### 4. Special Conditions of Contract

4.1 The following Special Conditions of Contract (SCC) shall complement, supplement, or amend as the case may be, and as indicated for each item / modification below, the General Conditions of Contract for Civil Works (GCC) attached hereto as Annex I. Whenever there is a conflict between the SCCs and the GCCs, the provisions herein shall prevail over those in the GCC.

### 8.4. "As-Built" Drawings

The Contractor shall prepare, and keep up-to-date, a complete set of "as-built" records of the execution of the Works, showing the exact as-built locations, sizes and details of the work as executed. These records shall be kept on the Site. Two copies shall be supplied to the Engineer prior to the commencement of the Tests on Completion. In addition, the Contractor shall supply to the Engineer as-built drawings of the Works, showing all Works as executed, and submit them to the Engineer for review. The Contractor shall obtain the consent of the Engineer as to their size, the referencing system, and other relevant details.

Prior to the issue of any Certificate of Substantial Completion, the Contractor shall supply to the Engineer the specified numbers and types of copies of the relevant as-built drawings, in accordance with the Employer's Requirements. The Works shall not be considered to be completed for the purposes of taking-over under Clause 46.1 until the Engineer has received these documents.

### The following shall be added to section 9 of the GCC:

"Work Book shall be kept for each Site in compliance with local Moldovan legislation".

### The following shall be added to section 64 of the GCC:

"The daily communication between Engineer and Contractor may be carried out in English, Romanian or Russian language, whatever is the most convenient for the parties involved."

- 4.2 The advance payment to be made upon signature of the contract by both parties is contingent upon receipt and acceptance by UNDP of a bank guarantee for the full amount of the advance payment issued by a Bank and in a form acceptable to UNDP.
- 4.3 The amounts of the payments referred to under section 3.@ above shall be subject to a deduction of 
  [INSERT PERCENTAGE OF TOTAL CONTRACT PRICE THAT THE ADVANCE REPRESENTS]
  % (... percent) of the amount accepted for payment until the cumulative amount of the deductions so effected shall equal the amount of the advance payment. Should the cumulative amount of the deductions so made be lower than the amount of the advance payment after the date of substantial completion of the Works, UNDP may deduct the amount equal to the difference between the advance payment and the cumulative deductions from the payments due after substantial completion or may recover such amount from the bank guarantee referred to in 4.2 above.
- The Performance [SELECT BOND/GUARANTEE] referred to in Clause 10 of the General Conditions shall be submitted by the Contractor for an amount of \_\_\_\_\_ [INSERT -PERCENTAGE OF THE TOTAL ESTIMATED OR FIXED PRICE OF THE CONTRACT IN THE CASE OF A GUARANTEE AND 30% IN THE CASE OF A BOND]. 12

<sup>&</sup>lt;sup>12</sup> The reason for the distinction between a 10% bank guarantee and a 30% performance bond is that bank guarantees are generally unconditional and can be called directly without proof of nonperformance, whereas most performance bonds are conditional and require some proof of nonperformance. There are usually additional costs and time delays incurred with cashing a performance bond and so a higher percentage is requested to cover the extra work involved. Some banks outside of the U.S. may call certain guarantee instruments, "performance bonds or guarantees" although they may only be conditional guarantees. It is important to review the text of the instrument to determine whether it is a conditional or unconditional guarantee.

4.5	[THE USE OF THIS CLAUSE REQUIRES APPROVAL BY THE PROJECT DIRECTOR/UNDP PROGRAMME OFFICER] The Contractor may submit invoices for materials and plant stored at the Site, provided they are necessary and adequate for the performance of the Works and they are protected from weather conditions and duly insured as per the instructions of the Engineer.
4.6	The liability insurance referred to in Clause 23 of the General Conditions shall be taken out by the Contractor for an amount of[CONSULT THE ENGINEER FOR APPROPRIATE AMOUNT].
4.7	According to Clause 45 of the General Conditions, the liquidated damages for delay shall be [INSERT PERCENTAGE] of the price of the Contract per week of delay, up to a maximum of 10% of the final price of the Contract.
5.	Submission of invoices
5.1	One original and one copy of every invoice shall be submitted by mail by the Contractor for each payment under the Contract to the Engineer's address specified in clause 8.2.
5.2	Invoices submitted by fax shall not be accepted by UNDP.
6.	Time and manner of payment
6.1	Invoices shall be paid within thirty (30) days of the date of their receipt and acceptance by UNDP.
6.2	All payments shall be made by UNDP to the following Bank account of the Contractor:
	[NAME OF THE BANK]
	[ACCOUNT NUMBER]
	[ADDRESS OF THE BANK]
7.	<u>Modifications</u>
7.1	Any modification to this Contract shall require an amendment in writing between both parties duly signed by the authorized representatives of the Contractor and UNDP.
8.	<u>Notifications</u>
8.1	For the purpose of notifications under the Contract, the addresses of UNDP and the Contractor are as follows:
For the	UNDP: [INSERT NAME OF RR OR DIVISION CHIEF]
Chief United	Nations Development Programme
Telex:_ Fax:	/[INSERT CONTRACT REFERENCE & NUMBER]
For the	Contractor:
[Insert	Name, Address and Telex,Fax and Cable Numbers]
8.2	For the purposes of communications with the Engineer, the address of the Engineer shall be as follows:

١	Insert Name.	Address and	Telex. Fa	x and Cable	e Numbers	of the	Engineer

OR

8.2 UNDP shall communicate as soon as possible to the Contractor after the signature of the Contract, the address of the Engineer for the purposes of communication with the Engineer under the Contract.

If the above terms and conditions meet with your agreement as typed in this letter and in the Contract Documents, please initial every page of this letter and its attachments and return to this office one original of this Contract, duly signed and dated.

Yours sincerely,

## [INSERT NAME OF RR or Bureau/Division Director]

For [Insert n	ame of the company/organization]
Agreed and	Accepted:
Signature	
Name	
Title	
Date	

GENERAL TERMS AND CONDITIONS OF CONTRAC FOR CIVIL WORKS IS PRESENTED IN A

SEPARATE FILE