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INVITATION TO BID

Supply, Installation, Testing and Commissioning of Solar Photovoltaic Grid Tied System

ITB No.: SAU10-19-009

Project: Country Office

Country: Saudi Arabia

Issued on: 4 November 2019

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Section 1. Letter of Invitation

The United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) **ref. SAU10-19-009 Supply, Installation, Testing and Commissioning of Solar Photovoltaic Grid Tied System for UNDP Saudi Arabia Country Office.**

This ITB includes the following documents and the General Terms and Conditions of Contract which is inserted in the Bid Data Sheet:

- Section 1: This Letter of Invitation
- Section 2: Instruction to Bidders
- Section 3: Bid Data Sheet (BDS)
- Section 4: Evaluation Criteria
- Section 5: Schedule of Requirements and Technical Specifications
- Section 6: Returnable Bidding Forms
 - Form A: Bid Submission Form
 - Form B: Bidder Information Form
 - Form C: Joint Venture/Consortium/Association Information Form
 - Form D: Qualification Form
 - Form E: Format of Technical Bid
 - Form F: Price Schedule
 - Form G: Form of Bid Security

If you are interested in submitting a Bid in response to this ITB, please prepare your Bid in accordance with the requirements and procedure as set out in this ITB and submit it by the Deadline for Submission of Bids set out in Bid Data Sheet.

Please acknowledge receipt of this ITB by sending an email to bids.sa@undp.org , indicating whether you intend to submit a Bid or otherwise. You may also utilize the "Accept Invitation" function in tendering system, where applicable. This will enable you to receive amendments or updates to the ITB. Should you require further clarifications, kindly communicate with the contact person/s identified in the attached Data Sheet as the focal point for queries on this ITB.

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

Issued by

Approved by:

Name: Tayeb Alassma Sunhour
Title: Procurement Specialist

Name: Mohammed Mudawi
Title: Deputy Resident Representative (DRR)

Section 2. Instruction to Bidders

GENERAL PROVISIONS

1. Introduction	<p>1.1 Bidders shall adhere to all the requirements of this ITB, including any amendments made in writing by UNDP. This ITB is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement which can be accessed at https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</p> <p>1.2 Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.</p> <p>1.3 UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p> <p>1.4 As part of the bid, it is desired that the Bidder registers at the United Nations Global Marketplace (UNGM) website (www.ungm.org). The Bidder may still submit a bid even if not registered with the UNGM. However, if the Bidder is selected for contract award, the Bidder must register on the UNGM prior to contract signature.</p>
2. Fraud & Corruption, Gifts and Hospitality	<p>2.1 UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti</p> <p>2.2 Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches or dinners.</p> <p>2.3 In pursuance of this policy, UNDP:</p> <p>(a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question;</p> <p>(b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p> <p>2.4 All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at http://www.un.org/depts/ptd/pdf/conduct_english.pdf</p>

3. Eligibility	<p>3.1 A vendor should not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations.</p> <p>3.2 It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p>
4. Conflict of Interests	<p>4.1 Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. 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:</p> <ul style="list-style-type: none"> a) Are or have been associated in the past, with a firm or any of its affiliates which have been engaged by UNDP to provide services for the preparation of the design, specifications, Terms of Reference, cost analysis/estimation, and other documents to be used for the procurement of the goods and services in this selection process; b) Were involved in the preparation and/or design of the programme/project related to the goods and/or services requested under this ITB; or c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP. <p>4.2 In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to UNDP, and seek UNDP's confirmation on whether or not such conflict exists.</p> <p>4.3 Similarly, the Bidders must disclose in their Bid their knowledge of the following:</p> <ul style="list-style-type: none"> a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this ITB; and b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices. <p>Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.</p> <p>4.4 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, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p>
B. PREPARATION OF BIDS	
5. General Considerations	<p>5.1 In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in</p>

	<p>rejection of the Bid.</p> <p>5.2 The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must notify the UNDP accordingly.</p>
6. Cost of Preparation of Bid	<p>6.1 The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. UNDP shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.</p>
7. Language	<p>7.1 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 BDS.</p>
8. Documents Comprising the Bid	<p>8.1 The Bid shall comprise of the following documents and related forms which details are provided in the BDS:</p> <ul style="list-style-type: none"> a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid.
9. Documents Establishing the Eligibility and Qualifications of the Bidder	<p>9.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfaction.</p>
10. Technical Bid Format and Content	<p>10.1 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB.</p> <p>10.2 Samples of items, when required as per Section 5, shall be provided within the time specified and unless otherwise specified by the Purchaser, at no expense to the UNDP. If not destroyed by testing, samples will be returned at Bidder's request and expense, unless otherwise specified.</p> <p>10.3 When applicable and required as per Section 5, the Bidder shall describe the necessary training programme available for the maintenance and operation of the equipment offered as well as the cost to the UNDP. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS.</p> <p>10.4 When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of delivery, or as otherwise specified in this ITB.</p>
11. Price Schedule	<p>11.1 The Price Schedule shall be prepared using the Form provided in Section 6 of the ITB and taking into consideration the requirements in the ITB.</p> <p>11.2 Any requirement described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.</p>
12. Bid Security	<p>12.1 A Bid Security, if required by BDS, shall be provided in the amount and form</p>

	<p>indicated in the BDS. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid.</p> <p>12.2 The Bid Security shall be included along with the Bid. If Bid Security is required by the ITB but is not found in the Bid, the offer shall be rejected.</p> <p>12.3 If the Bid Security amount or its validity period is found to be less than what is required by UNDP, UNDP shall reject the Bid.</p> <p>12.4 In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS.</p> <p>12.5 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <ul style="list-style-type: none"> a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: <ul style="list-style-type: none"> i. to sign the Contract after UNDP has issued an award; or ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.
13. Currencies	<p>13.1 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids:</p> <ul style="list-style-type: none"> a) 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 Bids; and b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.
14. Joint Venture, Consortium or Association	<p>14.1 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for 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 JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted 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 the member entities comprising the joint venture.</p> <p>14.2 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP.</p> <p>14.3 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.</p> <p>14.4 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in</p>

	<p>delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by UNDP.</p> <p>14.5 A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between:</p> <ul style="list-style-type: none"> a) Those that were undertaken together by the JV, Consortium or Association; and b) Those that were undertaken by the individual entities of the JV, Consortium or Association. <p>14.6 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 JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials</p> <p>14.7 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.</p>
15. Only One Bid	<p>15.1 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.</p> <p>15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> 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 some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
16. Bid Validity Period	<p>16.1 Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive.</p> <p>16.2 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.</p>
17. Extension of Bid Validity Period	<p>17.1 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered</p>

	<p>integral to the Bid.</p> <p>17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.</p> <p>17.3 The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.</p>
18. Clarification of Bid (from the Bidders)	<p>18.1 Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no obligation to respond or confirm that the query was officially received.</p> <p>18.2 UNDP will provide the responses to clarifications through the method specified in the BDS.</p> <p>18.3 UNDP shall endeavour to provide 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 Bids, unless UNDP deems that such an extension is justified and necessary.</p>
19. Amendment of Bids	<p>19.1 At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders.</p> <p>19.2 If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.</p>
20. Alternative Bids	<p>20.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. 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.</p> <p>20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"</p>
21. Pre-Bid Conference	<p>21.1 When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.</p>

C. SUBMISSION AND OPENING OF BIDS

22. Submission	<p>22.1 The Bidder shall submit a duly signed and complete Bid comprising the documents and forms in accordance with requirements in the BDS. The Price Schedule shall be submitted together with the Technical Bid. Bid can be delivered either personally, by courier, or by electronic method of transmission as specified in the BDS.</p> <p>22.2 The Bid shall be signed by the Bidder or person(s) duly authorized to commit the Bidder. The authorization shall be communicated through a document evidencing such authorization issued by the legal representative of the bidding entity, or a Power of Attorney, accompanying the Bid.</p> <p>22.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the UNDP General Contract Terms and Conditions.</p>
Hard copy (manual) submission	<p>22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows:</p> <p>a) The signed Bid shall be marked "Original", and its copies marked "Copy" as appropriate. The number of copies is indicated in the BDS. All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail.</p> <p>(b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall:</p> <ul style="list-style-type: none"> i. Bear the name of the Bidder; ii. Be addressed to UNDP as specified in the BDS; and iii. Bear a warning not to open before the time and date for Bid opening as specified in the BDS. <p>If the envelope with the Bid is not sealed and marked as required, UNDP shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.</p>
Email and eTendering submissions	<p>22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows:</p> <p>a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS;</p> <p>b) Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions in BDS.</p> <p>22.6 Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/</p>
23. Deadline for Submission of Bids and Late Bids	<p>23.1 Complete Bids must be received by UNDP in the manner, and no later than the date and time, specified in the BDS. UNDP shall only recognise the actual date and time that the bid was received by UNDP</p> <p>23.2 UNDP shall not consider any Bid that is received after the deadline for the</p>

	submission of Bids.
24. Withdrawal, Substitution, and Modification of Bids	<p>24.1 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission.</p> <p>24.2 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to UNDP, 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, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as "WITHDRAWAL" "SUBSTITUTION," or "MODIFICATION"</p> <p>24.3 eTendering: A Bidder may withdraw, substitute or modify its Bid by Cancelling, Editing, and re-submitting the Bid directly in the system. It is the responsibility of the Bidder to properly follow the system instructions, duly edit and submit a substitution or modification of the Bid as needed. Detailed instructions on how to cancel or modify a Bid directly in the system are provided in the Bidder User Guide and Instructional videos.</p> <p>24.4 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.</p>
25. Bid Opening	<p>25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.</p> <p>25.2 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 submissions, in which case, the Bid shall be returned unopened to the Bidders.</p> <p>25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.</p>
D. EVALUATION OF BIDS	
26. Confidentiality	<p>26.1 Information relating to the examination, evaluation, and comparison of Bids, 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.</p> <p>26.2 Any effort by a Bidder or anyone on behalf of the Bidder to influence UNDP in the examination, evaluation and comparison of the Bids or contract award decisions may, at UNDP's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing UNDP's vendor sanctions procedures.</p>
27. Evaluation of Bids	<p>27.1 UNDP will conduct the evaluation solely on the basis of the Bids received.</p> <p>27.2 Evaluation of Bids shall be undertaken in the following steps:</p> <ul style="list-style-type: none"> a) Preliminary Examination including Eligibility b) Arithmetical check and ranking of bidders who passed preliminary examination by price. c) Qualification assessment (if pre-qualification was not done)

	<ul style="list-style-type: none"> a) Evaluation of Technical Bids b) Evaluation of prices <p>Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary</p>
28. Preliminary Examination	<p>28.1 UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.</p>
29. Evaluation of Eligibility and Qualification	<p>29.1 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria).</p> <p>29.2 In general terms, vendors that meet the following criteria may be considered qualified:</p> <ul style="list-style-type: none"> a) They are not included in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's ineligible vendors' list; b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments, c) They have the necessary similar experience, technical expertise, production capacity, quality certifications, quality assurance procedures and other resources applicable to the supply of goods and/or services required; d) They are able to comply fully with the UNDP General Terms and Conditions of Contract; e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and f) They have a record of timely and satisfactory performance with their clients.
30. Evaluation of Technical Bid and prices	<p>30.1 The evaluation team shall review and evaluate the Technical 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 BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.</p>
31. Due diligence	<p>31.1 UNDP reserves the right to undertake a due diligence exercise, aimed at determining to its satisfaction, the validity of the information provided by the Bidder. Such exercise shall be fully documented and may include, but need not be limited to, all or any combination of the following:</p> <ul style="list-style-type: none"> a) Verification of accuracy, correctness and authenticity of information provided by the Bidder; 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 with previous clients, or any other entity that may have done business with the Bidder; d) Inquiry and reference checking with previous clients on the performance on on-going or completed contracts, including physical inspections of previous

	<p>works, as deemed necessary;</p> <p>e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder;</p> <p>f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.</p>
32. Clarification of Bids	<p>32.1 To assist in the examination, evaluation and comparison of Bids, UNDP may, at its discretion, request any Bidder for a clarification of its Bid.</p> <p>32.2 UNDP's request for clarification and the response shall be in writing and 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 Bids, in accordance with the ITB.</p> <p>32.3 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 Bids.</p>
33. Responsiveness of Bid	<p>33.1 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, specifications and other requirements of the ITB without material deviation, reservation, or omission.</p> <p>33.2 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.</p>
34. Nonconformities, Reparable Errors and Omissions	<p>34.1 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.</p> <p>34.2 UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period, 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.</p> <p>34.3 For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows:</p> <p>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;</p> <p>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</p> <p>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.</p> <p>34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall</p>

	be rejected.
E. AWARD OF CONTRACT	
35. Right to Accept, Reject, Any or All Bids	35.1 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. UNDP shall not be obliged to award the contract to the lowest priced offer.
36. Award Criteria	36.1 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.
37. Debriefing	37.1 In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
38. Right to Vary Requirements at the Time of Award	38.1 At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or 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.
39. Contract Signature	39.1 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 to do so may 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 Second highest rated or call for new Bids.
40. Contract Type and General Terms and Conditions	40.1 The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
41. Performance Security	41.1 A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
42. Bank Guarantee for Advanced Payment	42.1 Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at

	https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&action=default
43. Liquidated Damages	<p>43.1 If specified in the BDS, UNDP shall apply Liquidated Damages for the damages and/or risks caused to UNDP resulting from the Contractor's delays or breach of its obligations as per Contract.</p>
44. Payment Provisions	<p>44.1 Payment will be made only upon UNDP's acceptance of the goods and/or services performed. The terms of payment shall be within thirty (30) days, after receipt of invoice and certification of acceptance of goods and/or services issued by the proper authority in UNDP with direct supervision of the Contractor. Payment will be effected by bank transfer in the currency of the contract.</p>
45. Vendor Protest	<p>45.1 UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a 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:</p> <p>http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html</p>
46. Other Provisions	<p>46.1 In the event that the Bidder offers a lower price to the host Government (e.g. General Services Administration (GSA) of the federal government of the United States of America) for similar goods and/or services, UNDP shall be entitled to the same lower price. The UNDP General Terms and Conditions shall have precedence.</p> <p>46.2 UNDP is entitled to receive the same pricing offered by the same Contractor in contracts with the United Nations and/or its Agencies. The UNDP General Terms and Conditions shall have precedence.</p> <p>46.3 The United Nations has established restrictions on employment of (former) UN staff who have been involved in the procurement process as per bulletin ST/SGB/2006/15</p> <p>http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&referer</p>

Section 3. Bid Data Sheet

The following data for the goods and/or services to be procured shall complement, supplement, or amend the provisions in the Invitation to Bid In the case of a conflict between the Instructions to Bidders, the Bid Data Sheet, and other annexes or references attached to the Bid Data Sheet, the provisions in the Bid Data Sheet shall prevail.

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Not Allowed
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid conference	Will be Conducted , Bidders should email the focal person for coordination. Proposed date is 6 th of November 2019. Bidders accepted the invitation shall be notified. Site visit is mandatory for the awarded supplier.
5	16	Bid Validity Period	90 days
6	13	Bid Security	Required in the amount of USD 10,000 Acceptable Forms of Bid Security <ul style="list-style-type: none"> ▪ Bank Guarantee (See Section 8 for template) ▪ Any Bank-issued Check / Cashier's Check / Certified Check
7	41	Advanced Payment upon signing of contract	Allowed up to a maximum of 20% of contract value
8	42	Liquidated Damages	Will be imposed as follows: Percentage of contract price per day of delay: 0.05 Max. number of days of delay 20, after which UNDP may terminate the contract.
9	40	Performance Security	Required in the amount of equal to 10% of contract value
10	12	Currency of Bid	Local currency SAR

11	31	Deadline for submitting requests for clarifications/ questions	5 days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	<p>Focal Person in UNDP: Tayeb Alassma Sunhour To: Procurement Unit E-mail Address: bids.sa@undp.org Tayeb.sunhour@undp.org</p> <p>Please indicate this in the email subject line SAU10-0000004799</p>
13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Posted directly to eTendering
14	23	Deadline for Submission	as indicated in eTendering system. Note that system time zone is in EST/EDT (New York) time zone.
14	22	Allowable Manner of Submitting Bids	<input checked="" type="checkbox"/> e-Tendering
15	22	Bid Submission Address	<p>https://etendering.partneragencies.org</p> <p><u>Insert BU Code:</u> SAU10 <u>Event ID number</u> 0000004799</p>
16	22	Electronic submission (email or eTendering) requirements	<ul style="list-style-type: none"> ▪ Format: PDF files only ▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. ▪ All files must be free of viruses and not corrupted. ▪ Max. File Size per transmission: 7 MB
17	25	Date, time and venue for the opening of bid	will receive an automatic notification once their Bids are opened.
18	27, 36	Evaluation Method for the Award of Contract	Lowest priced technically responsive, eligible and qualified bid.
19		Expected date for commencement of Contract	<i>December 10, 2019</i>

20		Maximum expected duration of contract	180 days
21	35	UNDP will award the contract to:	One Proposer Only
22	39	Type of Contract	Contract for Goods and Services to UNDP http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Contracts http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24		Other Information Related to the ITB	<i>The general term and condition of civil works shall also be considered</i>

Section 4. Evaluation Criteria

Preliminary Examination Criteria

Bids will be examined to determine whether they are complete and submitted in accordance with ITB requirements as per below criteria on a Yes/No basis:

- Appropriate signatures
- Power of Attorney
- Minimum Bid documents provided
- Bid Validity
- Bid Security with compliant validity period of 90 days

Minimum Eligibility and Qualification Criteria

Eligibility and Qualification will be evaluated on a Pass/Fail basis.

If the Bid is submitted as a Joint Venture/Consortium/Association, each member should meet the minimum criteria, unless otherwise specified.

Subject	Criteria	Document Submission requirement
ELIGIBILITY		
Legal Status	Vendor is a legally registered entity.	Form B: Bidder Information Form
Eligibility	Vendor is not suspended, nor debarred, nor otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization in accordance with ITB clause 3.	Form A: Bid Submission Form
Conflict of Interest	No conflicts of interest in accordance with ITB clause 4.	Form A: Bid Submission Form
Bankruptcy	Has not declared bankruptcy, is not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against the vendor that could impair its operations in the foreseeable future.	Form A: Bid Submission Form
Certificates and Licenses	<ul style="list-style-type: none"> ▪ Duly authorized to act as Agent on behalf of the Manufacturer, or Power of Attorney, if bidder is not a manufacturer ▪ Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country. ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder ▪ Export/Import Licenses, if applicable ▪ Type of partnership with local suppliers (for International companies) 	Form B: Bidder Information Form
QUALIFICATION		

History of Non-Performing Contracts¹	Non-performance of a contract did not occur as a result of contractor default for the last 3 years.	Form D: Qualification Form
Litigation History	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
Previous Experience	Minimum 5 years of relevant experience.	Form D: Qualification Form
	Minimum 2 contracts of similar value, nature and complexity implemented over the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
Financial Standing	Minimum average annual turnover of USD 200,000 for the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
Technical Evaluation	The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document.	Form E: Technical Bid Form
Financial Evaluation	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) Comparison with budget/internal estimates.	Form F: Price Schedule Form

¹ Non-performance, as decided by UNDP, shall include all contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

Section 5a: Schedule of Requirements and Technical Specifications/Bill of Quantities

Please refer to the technical specification/drawings attached with this Document.

Section 5b: Other Related Requirements

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: *[check the condition that applies to this ITB, delete the entire row if condition is not applicable to the goods being procured]*

Delivery Term [INCOTERMS 2010] <i>(Pls. link this to price schedule)</i>	DAP
Exact Address of Delivery/Installation Location	United Nations Building Ibn El-Nafis Roundabout 9 P.O Box 94623, Riyadh 11614 Kingdom of Saudi Arabia
Mode of Transport Preferred	NA
UNDP Preferred Freight Forwarder, if any ²	NA
Distribution of shipping documents <i>(if using freight forwarder)</i>	NA
Customs, if required, clearing shall be done by:	Supplier
Ex-factory / Pre-shipment inspection	Shall be required
Inspection upon delivery	Required
Installation Requirements	As per the instructions in the Bill of Quantities
Testing Requirements	As per the instructions in the Bill of Quantities
Scope of Training on Operation and Maintenance	As per the instructions in the Bill of Quantities
Commissioning	As per the instructions in the Bill of Quantities
Warranty Period	As per the instructions in the Bill of Quantities
Local Service Support	As per the instructions in the Bill of Quantities
Technical Support Requirements	As per the instructions in the Bill of Quantities
After-sale services Requirements	<input checked="" type="checkbox"/> Warranty on Parts and Labor for minimum period as specified in the Bill of quantities <input checked="" type="checkbox"/> Technical Support <input checked="" type="checkbox"/> Provision of Service Unit when pulled out for maintenance /repair <input type="checkbox"/> Others <i>[pls. specify]</i>

²A factor of the Incoterms stipulated in the ITB. The use of a UNDP preferred freight forwarder may be considered for purposes of ensuring forwarder's familiarity with procedures and processing of documentary requirements applicable to UNDP when clearing with customs authority of the country of destination.

<p>Payment Terms</p> <p><i>(max. advanced payment is 20% as per UNDP policy)</i></p>	<p>Max of 20% upon contract signature/PO issuance and the rest within 30 days from UNDP's acceptance of goods as specified and receipt of invoice</p>
<p>Conditions for Release of Payment</p>	<p> <input checked="" type="checkbox"/> Pre-shipment inspection <input checked="" type="checkbox"/> Inspection upon arrival at destination <input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Training on Operation and Maintenance <input type="checkbox"/> Others <i>[pls. specify]</i> <input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements </p>
<p>All documentations, including catalogues, instructions and operating manuals, shall be in this language</p>	<p>English</p>

Section 6: Returnable Bidding Forms / Checklist

This form serves as a checklist for preparation of your Bid. Please complete the Returnable Bidding Forms in accordance with the instructions in the forms and return them as part of your Bid submission. No alteration to format of forms shall be permitted and no substitution shall be accepted.

Before submitting your Bid, please ensure compliance with the Bid Submission instructions of the BDS 22.

Technical Bid:

Have you duly completed all the Returnable Bidding Forms?	
▪ Form A: Bid Submission Form	<input type="checkbox"/>
▪ Form B: Bidder Information Form	<input type="checkbox"/>
▪ Form C: Joint Venture/Consortium/ Association Information Form	<input type="checkbox"/>
▪ Form D: Qualification Form	<input type="checkbox"/>
▪ Form E: Format of Technical Bid/Bill of Quantities	<input type="checkbox"/>
▪ Form G: Form of Bid Security	
▪ [Add other forms as necessary]	<input type="checkbox"/>
Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?	<input type="checkbox"/>

Price Schedule:

▪ Form F: Price Schedule Form	<input type="checkbox"/>
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Form A: Bid Submission Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

We, the undersigned, offer to supply the goods and related services required for **Supply, Installation, Testing and Commissioning of Solar Photovoltaic Grid Tied System** in accordance with your Invitation to Bid No. **SAU10-19-009** and our Bid. We hereby submit our Bid, which includes this Technical Bid and Price Schedule.

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency].

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

- a) is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists;
- b) have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization;
- c) have no conflict of interest in accordance with Instruction to Bidders Clause 4;
- d) do not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with our firm in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15);
- e) have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future;
- f) undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we embrace the principles of the United Nations Supplier Code of Conduct and adhere to the principles of the United Nations Global Compact.

We declare that all the information and statements made in this Bid are true and we accept that any misinterpretation or misrepresentation contained in this Bid may lead to our disqualification and/or sanctioning by the UNDP.

We offer to supply the goods and related services in conformity with the Bidding documents, including the UNDP General Conditions of Contract and in accordance with the Schedule of Requirements and Technical Specifications.

Our Bid shall be valid and remain binding upon us for the period specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Bid you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] to sign this Bid and bind it should UNDP accept this Bid.

Name: _____

Title: _____

Date: _____

Signature: _____

[Stamp with official stamp of the Bidder]

Form B: Bidder Information Form

Legal name of Bidder	[Complete]
Legal address	[Complete]
Year of registration	[Complete]
Bidder's Authorized Representative Information	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
Are you a UNGM registered vendor?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, [insert UGNM vendor number]
Are you a UNDP vendor?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, [insert UNDP vendor number]
Countries of operation	[Complete]
No. of full-time employees	[Complete]
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate):	[Complete]
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate):	[Complete]
Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)	[Complete]
Does your organization demonstrates significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues	[Complete]
Is your company a member of the UN Global Compact	[Complete]
Contact person that UNDP may	Name and Title: [Complete]

contact for requests for clarifications during Bid evaluation	Telephone numbers: [Complete] Email: [Complete]
Please attach the following documents:	<ul style="list-style-type: none"> ▪ Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured ▪ Certificate of Incorporation/ Business Registration ▪ 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 ▪ Trade name registration papers, if applicable ▪ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any ▪ 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 ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder ▪ Certification or authorization to act as Agent on behalf of the Manufacturer, or Power of Attorney. ▪ Export Licenses, if applicable ▪ Local Government permit to locate and operate in assignment location, if applicable ▪ Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country

Form C: Joint Venture/Consortium/Association Information Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

To be completed and returned with your Bid if the Bid is submitted as a Joint Venture/Consortium/Association.

No	Name of Partner and contact information <i>(address, telephone numbers, fax numbers, e-mail address)</i>	Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed
1	[Complete]	[Complete]
2	[Complete]	[Complete]
3	[Complete]	[Complete]

Name of leading partner (with authority to bind the JV, Consortium, Association during the ITB process and, in the event a Contract is awarded, during contract execution)	[Complete]
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We have attached a copy of the below referenced document signed by every partner, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture:

☐ Letter of intent to form a joint venture **OR** ☐ JV/Consortium/Association agreement

We hereby confirm that if the contract is awarded, all parties of the Joint Venture/Consortium/Association shall be jointly and severally liable to UNDP for the fulfillment of the provisions of the Contract.

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Form D: Eligibility and Qualification Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

If JV/Consortium/Association, to be completed by each partner.

History of Non- Performing Contracts

<input type="checkbox"/> Non-performing contracts did not occur during the last 3 years			
<input type="checkbox"/> Contract(s) not performed in the last 3 years			
Year	Non- performed portion of contract	Contract Identification	Total Contract Amount (current value in US\$)
		Name of Client: Address of Client: Reason(s) for non-performance:	

Litigation History (including pending litigation)

<input type="checkbox"/> No litigation history for the last 3 years			
<input type="checkbox"/> Litigation History as indicated below			
Year of dispute	Amount in dispute (in US\$)	Contract Identification	Total Contract Amount (current value in US\$)
		Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute: Party awarded if resolved:	

Previous Relevant Experience

Please list only previous similar assignments (**Supply and installation of Solar system/ Solar PV**) successfully completed in the last 3 years.

List only those assignments for which the Bidder was legally contracted or sub-contracted by the Client as a company or was one of the Consortium/JV partners. Assignments completed by the Bidder's individual experts working privately or through other firms cannot be claimed as the relevant experience of the Bidder, or that of the Bidder's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Bidder should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by UNDP.

Project name & Country of Assignment	Client & Reference Contact Details	Contract Value	Period of activity and status	Types of activities undertaken

Bidders may also attach their own Project Data Sheets with more details for assignments above.

☐ Attached are the Statements of Satisfactory Performance from the Top 3 (three) Clients or more.

Financial Standing

Annual Turnover for the last 3 years	Year	USD
	Year	USD
	Year	USD
Latest Credit Rating (if any), indicate the source		

Financial information (in US\$ equivalent)	Historic information for the last 3 years		
	Year 1	Year 2	Year 3
	<i>Information from Balance Sheet</i>		
Total Assets (TA)			
Total Liabilities (TL)			
Current Assets (CA)			
Current Liabilities (CL)			
	<i>Information from Income Statement</i>		
Total / Gross Revenue (TR)			
Profits Before Taxes (PBT)			
Net Profit			
Current Ratio			

☐ Attached are copies of the audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following condition:

- Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
 - Historic financial statements must be audited by a certified public accountant;
 - Historic financial statements must correspond to accounting periods already completed and audited.
- No statements for partial periods shall be accepted.

Form E: Format of Technical Bid

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder's Bid should be organized to follow this format of the Technical Bid. Where the bidder is presented with a requirement or asked to use a specific approach, the bidder must not only state its acceptance, but also describe how it intends to comply with the requirements. Where a descriptive response is requested, failure to provide the same will be viewed as non-responsive.

SECTION 1: Bidder's qualification, capacity and expertise

- 1.1 General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted (if so, provide details).
- 1.2 Relevance of specialized knowledge and experience on similar engagements done in the region/country.
- 1.3 Quality assurance procedures and risk mitigation measures.
- 1.4 Organization's commitment to sustainability.

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 requirements/specifications. All important aspects should be addressed in sufficient detail.

- 2.1 A detailed description of how the Bidder will deliver the required goods and services, keeping in mind the appropriateness to local conditions and project environment. Details how the different service elements shall be organized, controlled and delivered.
- 2.2 Explain whether any work would be subcontracted, to whom, how much percentage of the requirements, the rationale for such, and the roles of the proposed sub-contractors and how everyone will function as a team.
- 2.3 The bid shall also include details of the Bidder's internal technical and quality assurance review mechanisms.
- 2.4 Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.
- 2.5 Demonstrate how you plan to integrate sustainability measures in the execution of the contract.

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	<p>General Notes:</p> <p>1- Complete detailed shop drawings should be delivered to UNDP Engineer to take his approval prior the commencement of work. Samples of all materials shall also be delivered to UNDP Engineer to take his approval,</p> <p>2- The contractor will be accountable for all necessary equipment, materials and activities to assure the safety of people within the UN buildings and vicinity, where an approved safety plan will be prerequisite to initiating activities along with installing all required components and materials necessary for safety of project team. All relevant costs are deemed to be included in the unit price.</p> <p>3-The contractor will expect that more than one contractor will be carrying out works in the UN at the same time, the Contractor is presumed to make all necessary coordination and facilitate accessibility to and other work-related issues</p> <p>4-All works and installations listed here below should be carried out, tested and commissioned by specialized responsible skilled labours in full coordination with SEC , all in accordance with drawings, specifications and relevant standards, and the instruction of the UNDP Engineer. UNDP UNDP Engineer has the right to reject any component of the work not complying with the specifications and the terms of the contract.</p>			
	SOLAR PHOTOVOLTAIC GRID TIED SYSTEM WORKS FOR UNDP			
1	"The system is designed to cover the total loads in the UN facility. The system will be grid interactive connected system, which will allow for many power sources options. The system will import from the grid when loads are being more than the generated from PV system , in case the loads are being less than the generated from PV system it will export to the grid.			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	<ul style="list-style-type: none"> Contractor shall submit shop drawings of all electrical ,civil and solar photovoltaic complete system works, including a single line diagram showing all the components of the PV system, DC and AC distribution boards, PV panels lay out and wires cross section for all the system to be approved by UNDP Engineer before executing the work. As well as the catalogs of each component showing the requested specifications stated at the bill of quantity. As-built drawings shall be submitted after handing over the work. All combiner boxes and DBs will be lockable type. The price includes all builders' works, making good and reinstatement including necessary materials and workmanship as well as removal of unwanted materials to dump sites approved by UNDP Engineer." 			
2	<p>PV- MODULES- 270KW</p> <p>"Supply, install, connect and operate Poly Crystalline Photovoltaic Solar Modules with all mounting structure and other material needed to have complete job ready for installing high quality PV modules with total arrays capacity 270 KWp. (Type is Jinko solar 330PP-72 OR equivalent), the Item Includes supply, install & connect the to the remaining component. The contractor should provide certified panel characteristics, shop test performance curves, spare parts regular (as recommended by manufacturer), maintenance catalogues and manufacturers warrantee for each solar panel for a period not less than 20 years. The Manufacture testing certificate should be provided for the PV panels and the contractor will provide the necessary arrangements for inspecting of the supervision team of the panels before transporting to UN facility.</p> <ul style="list-style-type: none"> Solar DC wire appropriately sized to connect the PV solar cells together and to the C.B (PV wire 10AWG black and red or equivalent) and from C.B to the inverter's DC Disconnect switch (THWN-2 wire 4AWG 			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	<p>black and red) to have a complete operational circuit with all conduits (Rigid non metallic PVC SCH 80), clamps , (MC4 connector) . the allowable voltage drop for DC cables between PV Arrays and inverter less than 3%.</p> <ul style="list-style-type: none"> • The number of panels based on 250 Wp for each solar panel. <p>The contractor should provide certified panel characteristics, shop test performance curves, spare parts regular (as recommended by manufacturer), maintenance catalogues and manufacturers warrantee for each solar panel for a period not less than 20 years. The Manufacture testing certificate should be provided for the PV panels and the contractor will provide the necessary arrangements for inspecting of the supervision team of the panels before transporting to Gaza.</p> <p>All works and materials must be according to the drawings, specifications and UNDP Engineer instruction's and approval."</p>			
3	<p>PV Module Mounting Structure</p> <p>"Supply and install Module mounting structure from(hot galvanized steel foundation profile suitable to the dimension of selected PV modules and PV numbers), the mounting provides a fixed inclination of the modules for every array from 25 degree to 15 degree Depending on what has been determined in the drawing with vertical supports, plates, screws and casting concrete foundations with appropriate dimensions for each array's legs, the structure profile includes bracing and double hot galvanized angles for dividers. The module and mounting structure components are bonded together to guarantee potential equalization. The price includes supply and install a complete equipment grounding system (electrodes 19mm, manhole with iron cover, earth joints, clamps and 25 mm2 flexible copper cable from the structure to the electrode, all necessary copper</p>			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	wires to connect arrays and modules in one loop for earthen. All precaution to have the resistance < 2Ω. All works and materials must be according to drawings, specifications and supervisor instructions and approval."			
	COMBINER BOX Supply, install, combiner boxes for every sub array (16 sub array) to reduce the three string to one string, protect the string of sub array, start point for conduit. (Water proof PV combiner boxes IP65 3 strings, for each sub array including DC Fuses 10A, main circuit breaker 30A, bus bar rating 50A ,cable gland 6mm2, surg arrester 20KA ,type 2), (structure supports & safety labels suitable to the PV arrays loads).			
4	DC DISCONNECT SWITCH Supply, install and connect the Safety DC Disconnect Switch between the combiner box and Inverter's input (DC Disconnect Switch 30A non fusible-2 pole with Surge Arrester 20KA,type 2)			
5	GRID TIED INVERTER Supply, install and connect and operate DC/Ac grid tie inverter .Type is (Fronius 15KW-3-220v or equivalent) with 3 input per MPP , efficiency 96% and suited to any PV module configuration, the inverter depending on the system design and installation proposed and for the future extended. The DC max power input rating should be equal 1.5 of rated output of inverter kWp of the PV modules capacity at standard test condition (STC). The inverter unit shall be suitable for indoor and outdoor installations with IP65.The rated AC output power should be 15 kW compatible with the AC loads design. The inverter must include the safety concepts such as (triple protection with optiprotect, electronic string fuse, self-learning string failure detection, DC surge arrester) to ensure max availability.			
6	AC DISCONNECT SWITCH			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	Supply, install and connect the Safety AC Safety Disconnect Switch between the Inverter and the AC Combiner Box that called Sub-Panel (AC Safety Disconnect Switch 50A non fusible-3 pole with Surge Arrester 20KA, type 2).			
7	AC COMBINER BOX (SUB-DISTRIBUTION BOARD) (SDB) Supply, install and connect AC Combiner Box between the AC Switch's and the Utility AC Disconnect Switch (HAC-07-0301-13-A001), Busbar rating 400A , include 8 Pcs Molded case circuit breaker MCCB 50A- 3pole and one Main MCCB ,3 Pole 400A.			
8	UTILITY FUSIBLE DISCONNECT SWITCH Supply, install, connect Utility AC Safety disconnect Switch with fusible between the AC combiner Box and the Main Distribution Board Supply and install surge arrestor protection at the incoming feeder 3-phase 40KA including connection to the ground with flexible 25 mm2 yellow/green cable. The system shall protect the switch panel against the lightning shocks. (Type Furse or equivalent). <u>(SQUARE D325N ,400A , 3pole, with Surg Arrester 40KA type1&2 or equivalent)</u>			
9	MAIN DISTRIBUTION BOARD (MDB) Depend on drawing the contract shall be connect the output of Utility Disconnect switch to the spare CB ,in this case the contractor must be install <u>(two circuit breaker MCCB 400A , 3 Pole , MOELLER , EATON or equivalent)</u> . in case the limit of exsiting MDB can not to handle the 800A the contractor shall Supply, install and commission new main distribution panel board (MDB) and connect between the two Utility Disconnect Switch and the Utility Grid <u>(size (100x80x30 cm) ,one door,include two MCCB 400A , 3 Pole and MCCB 800A , 3 Pole as specified and as shown on drawings), (Type is</u>			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	MOELLER , EATON or equivalent) factory assembled wired and tested in accordance with international standards, including 2mm galvanized steel frame with antistatic paint , neutral bus bar and earthing terminal ,and all necessary civil works for foundations,cable trenches and handing over clean, tested and in operating conditions as NEC,SEC specifications.			
10	3-Phase Digital KWH Meter 3-Phase Digital KWH Meter: Supply,install,connect and operate 3-phase digital KWH meter, 3*50KA (Fronius or equivalent) with all other material needed to have a complete job ,The kWh meter has a digital interface for monitoring by the Remote Monitoring System .All works and materials must be according to the drawings, catalogues, specifications and UNDP Engineer instruction's and approval.			
11	DC/AC CABLES AND CONDUITS supplying, Install, connecting, and termination all the DC/AC wire that mension in drawing with all required conduits and fittings including all electrical and civil works, the item includes dismantling and re install the existing cables and laying under ground PVC piping system, manholes, excavation, warning tapes, backfilling and all required civil works to finish the work according specifications and demands of the supervising engineer, to connect cables terminals from source to destination. The work will include re distribution of all existing loads of the main panel to achive the balance of each phase. According to drawings, specifications, the allowable voltage drop for DC cables between inverter and PV system less than 3%, if the work need any excavation the contractor should be Supply, laying underground PVC piping system for power cable at depth 90 cm The work includes excavation 50 cm width, backfilling with clean sand , laying pipes, warning tapes, all work must be according to UNDP Engineer. instructions, and demands of the supervising engineer. as follow:			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
11-1	pv wire,10AWG,1/C ,copper, Red color,500ft/roller.			
11-2	pv wire,10AWG,1/C ,copper, Black color,500ft/roller.			
11-3	XHHW-2, 4AWG.1/C, copper, Red color,flexable.			
11-4	XHHW-2, 4AWG.1/C, copper, Black color,flexable.			
11-5	XHHW-2, 6AWG.4/C, copper, R,B,Y,BLA ,G color.			
11-6	XHHW-2, 490KCMIL.4/C, copper, R,B,Y,BLA,G color.			
11-7	Rigid non metallic PVC ,SCH 80 , 1" DIA with it's fittings			
11-8	Rigid non metallic PVC ,SCH 80 , 3" DIA with it's fittings			
11-9	unistrut channel steel with it's fitting			
12	LIGHTNING AND GROUNDING SYSTEM Supply, install and commission complete Earthing system including all required copperl rods 19mm(3/4") DIA 2.4 long, 6Pcs,Grounding electrodes conductors 4AWG ,equipment grounding conductors (10AWG for Module fram and mounting structures),(6AWG for non current carrying conductors equipments), earthing pits, clamps ,Chemical treatment of the soil, all accessories to be the Ressistance less than 2 Ω . according to drawings, specification and engineers instruction			
13	BOS ROOM (Balance of System Room) Depending on the Site Plan Drawing, the contractor shall be built one room beside the the distribution room with specific specification as follow: supplying hollow or solid cement block from good and approved factory in perfect dimension and build it in good manner with a compressive strength 35 kg/cm2 for hollow block and 60 kg/cm2 for solid block. This item will include cement mortars, galvanized steel ties, reinforced concrete infill (B250) between columns & block walls (10-20 cm wide) with 1Ø8mm/40cm horizontally and 2Ø8mm vertically			

#	Goods and services to be Supplied and Technical Specifications	Your response		
		Compliance with technical specifications		Comments
		Yes, we comply	No, we cannot comply (indicate discrepancies)	
	according to drawings, pipes encasement, false columns 20x20 cm/4.0m among the parapet wall with 4Ø12mm and bituminous paper between block work and drop beams and testing as well as all requirements needed to finish the works according to the drawings, specification and to the supervision engineer instructions.			
14	internal dimension should not less than (7m LG, 3m W, 3m H)			
15	Supply and build hollow cement blocks 40x20x20cm			
16	Ditto but 40x20x 15 cm thick for the roof wall.			
17	Supply and build solid cement block 40x20x20 cm, under ground beams, and external boundary for building including painting the buried parts with one coat of primer and two coats of hot bitumen (75/25) after primer layer.			
18	1- the wall of room should be insulated against the outside temperature by approved material with approved thickness.			
19	2- one split air condition 18 BTU , with high specification.			
20	3- Take into account the work of wall holes from both sides of the room for the passage of electrical wiring pipes from the roof of the building and going to the room of the electrical distribution panel as required from UNDP UNDP Engineer.			
21	4- supply and install all the required PPE (Personal protective Equipment).			

Other Related services and requirements <i>(based on the information provided in Section 5b)</i>	Compliance with requirements		Details or comments on the related requirements
	Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Delivery Term			
Warranty			
Technical Support			

SECTION 3: Management Structure and Key Personnel

- 3.1 Describe the overall management approach toward planning and implementing the project. Include an organization chart for the management of the project describing the relationship of key positions and designations. Provide a spreadsheet to show the activities of each personnel and the time allocated for his/her involvement.
- 3.2 Provide CVs for key personnel that will be provided to support the implementation of this project using the format below. CVs should demonstrate qualifications in areas relevant to the scope of goods and/or services.

Format for CV of Proposed Key Personnel

Name of Personnel	[Insert]
Position for this assignment	[Insert]
Nationality	[Insert]
Language proficiency	[Insert]
Education/ Qualifications	<p><i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i></p> <p>[Insert]</p>
Professional certifications	<p><i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i></p> <ul style="list-style-type: none"> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert]
Employment Record/ Experience	<p><i>[List all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. For experience in last five years, detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.]</i></p> <p>[Insert]</p>
References	<p><i>[Provide names, addresses, phone and email contact information for two (2) references]</i></p> <p>Reference 1: [Insert]</p> <p>Reference 2: [Insert]</p>

I, the undersigned, certify that to the best of my knowledge and belief, the data provided above correctly describes my qualifications, my experiences, and other relevant information about myself.

Signature of Personnel

Date (Day/Month/Year)

FORM F: Price Schedule Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder is required to prepare the Price Schedule following the below format. The Price Schedule must include a detailed cost breakdown of all goods and related services to be provided. Separate figures must be provided for each functional grouping or category, if any.

Any estimates for cost-reimbursable items, such as travel of experts and out-of-pocket expenses, should be listed separately.

Currency of the Bid: [Insert Currency]

Price Schedule

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
	1- Complete detailed shop drawings should be delivered to UNDP Engineer to take his approval prior the commencement of work. Samples of all materials shall also be delivered to UNDP Engineer to take his approval,				
	2- The contractor will be accountable for all necessary equipment, materials and activities to assure the safety of people within the UN buildings and vicinity, where an approved safety plan will be prerequisiste to initiating activities along with installing all required componenets and materials necessary for safety of project team. All relevant costs are deemed to be included in the unit price.				
	3-The contractor will expect that more than one contractor will be carrying out works in the UN at the same time, the Contractor is presumed to make all necessary coordination and facilitate accessibility to and other work-related issues				
	4-All works and installations listed here below should be carried out, tested and commissioned by specialized responsible skilled labours in full coordination with SEC , all in accordance with drawings, specifications and relevant standards, and the instruction of the UNDP Engineer. UNDP UNDP Engineer has the right to reject any component of the work not complying with the specifications and the terms of the contract.				
SOLAR PHOTOVOLTAIC GRID TIED SYSTEM WORKS FOR UNDP					

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
	<p>"The system is designed to cover the total loads in the UN facility. The system will be grid interactive connected system, which will allow for many power sources options. The system will import from the grid when loads are being more than the generated from PV system , in case the loads are being less than the generated from PV system it will export to the grid.</p> <ul style="list-style-type: none"> • Contractor shall submit shop drawings of all electrical ,civil and solar photovoltaic complete system works,including a single line diagram showing all the components of the PV system, DC and AC distribution boards, PV panels lay out and wires cross section for all the system to be approved by UNDP Engineer before executing the work. As well as the catalogs of each component showing the requested specifications stated at the bill of quantity. • As-built drawings shall be submitted after handing over the work. • All combiner boxes and DBs will be lockable type. • The price includes all builders' works, making good and reinstatement including necessary materials and workmanship as well as removal of unwanted materials to dump sites approved by UNDP Engineer." 				
PV- MODULES- 270KW					

Item No.	Discerption	Unit	Quantity	Unit Rate SAR	Total Amount SAR
1	<p>"Supply, install, connect and operate Poly Crystalline Photovoltaic Solar Modules with all Mounting (Roof) structure and other material needed to have complete job ready for installing high quality PV modules with total arrays capacity 270 KWp. (Type is Jinko solar 330PP-72 OR equivalent), the Item Includes supply, install & connect the to the remaining component. The contractor should provide certified panel characteristics, shop test performance curves, spare parts regular (as recommended by manufacturer), maintenance catalogues and manufacturers warrantee for each solar panel for a period not less than 20 years. The Manufacture testing certificate should be provided for the PV panels and the contractor will provide the necessary arrangements for inspecting of the supervision team of the panels before transporting to UN facility.</p> <ul style="list-style-type: none"> • Solar DC wire appropriately sized to connect the PV solar cells together and to the C.B (PV wire 10AWG black and red or equivalent) and from C.B to the inverter's DC Disconnect switch (THWN-2 wire 4AWG black and red) to have a complete operational circuit with all conduits (Rigid non metallic PVC SCH 80), clamps , (MC4 connector) . the allowable voltage drop for DC cables between PV Arrays and inverter less than 3%. • The number of panels based on 250 Wp for each solar panel. The contractor should provide certified panel characteristics, shop test performance curves, spare parts regular (as recommended by manufacturer), maintenance catalogues and manufacturers warrantee for each solar panel for a period not less than 20 years. The Manufacture testing certificate should be provided for the PV panels and the contractor will provide the necessary arrangements for inspecting of the supervision team of the panels before transporting to Gaza. All works and materials must be according to the drawings, specifications and UNDP Engineer instruction's and approval." 	No.	816		
PV Module Mounting Structure					

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
2	<p>"Supply and install Module Mounting (Roof) structure from(hot galvanized steel foundation profile suitable to the dimension of selected PV modules and PV numbers), the Mounting (Roof) provides a fixed inclination of the modules for every array from 25 degree to 15 degree Depending on what has been determined in the drawing with vertical supports, plates, screws and casting concrete foundations with appropriate dimensions for each array's legs, the structure profile includes bracing and double hot galvanized angles for dividers. The module and Mounting (Roof) structure components are bonded together to guarantee potential equalization. The price includes supply and install a complete equipment grounding system (electrodes 19mm, manhole with iron cover, earth joints, clamps and 25 mm² flexible copper cable from the structure to the electrode, all necessary copper wires to connect arrays and modules in one loop for earthen. All precaution to have the resistance < 2Ω.</p> <p>All works and materials must be according to drawings, specifications and supervisor instructions and approval."</p>	set	4		
COMBINER BOX					
3	<p>Supply, install, combiner boxes for every sub array (16 sub array) to reduce the three string to one string, protect the string of sub array, start point for conduit. <u>(Water proof PV combiner boxes IP65 3 strings, for each sub array including DC Fuses 10A, main circuit breaker 30A, bus bar rating 50A ,cable gland 6mm², surg arrester 20KA ,type 2), (structure supports & safety labels suitable to the PV arrays loads).</u></p>	No.	16		
DC DISCONNECT SWITCH					
4	<p>Supply, install and connect the Safety DC Disconnect Switch between the combiner box and Inverter's input <u>(DC Disconnect Switch 30A non fusible-2 pole with Surge Arrester 20KA,type 2)</u></p>	No.	16		
GRID TIED INVERTER					

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
5	Supply, install and connect and operate DC/Ac grid tie inverter .Type is <u>(Fronius 15KW-3-220v or equivalent)</u> with 3 input per MPP , efficiency 96% and suited to any PV module configuration, the inverter depending on the system design and installation proposed and for the future extended. The DC max power input rating should be equal 1.5 of rated output of inverter kWp of the PV modules capacity at standard test condition (STC). The inverter unit shall be suitable for indoor and outdoor installations with IP65.The rated AC output power should be 15 kW compatible with the AC loads design. The inverter must include the safety concepts such as (triple protection with optiprotect, electronic string fuse, self-learning string failure detection, DC surge arrestor) to ensure max availability.	No.	2		
AC DISCONNECT SWITCH					
6	Supply, install and connect the Safety AC Safety Disconnect Switch between the Inverter and the AC Combiner Box that called Sub-Panel (<u>AC Safety Disconnect Switch 50A non fusible-3 pole with Surge Arrestor 20KA,type 2).</u>	No.	16		
AC COMBINER BOX (SUB-DISTRIBUTION BOARD) (SDB)					
7	Supply, install and connect AC Combiner Box between the AC Switch's and the Utility AC Disconnect Switch (<u>HAC-07-0301-13-A001), Busbar rating 400A , include 8 Pcs Molded case circuit breaker MCCB 50A- 3pole and one Main MCCB ,3 Pole 400A.</u>	No.	2		
UTILITY FUSIBLE DISCONNECT SWITCH					
8	Supply, install, connect Utility AC Safety disconnect Switch with fusible between the AC combiner Box and the Main Distribution Board Supply and install surge arrestor protection at the incoming feeder 3- phase 40KA including connection to the ground with flexible 25 mm2 yellow/green cable. The system shall protect the switch panel against the lightning shocks. (Type Furse or equivalent).(<u>SQUARE D325N ,400A , 3pole, with Surg Arrestor 40KA type1&2 or equivalent)</u>	No.	2		
MAIN DISTRIBUTION BOARD (MDB)					

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
9	Depend on drawing the contract shall be connect the output of Utility Disconnect switch to the spare CB ,in this case the contractor must be install <u>(two circuit breaker MCCB 400A , 3 Pole , MOELLER , EATON or equivalent)</u> . in case the limit of exsiting MDB can not to handle the 800A the contractor shall Supply, install and commission new main distribution panel board (MDB) and connect between the two Utility Disconnect Switch and the Utility Grid <u>(size (100x80x30 cm) ,one door,include two MCCB 400A , 3 Pole and MCCB 800A , 3 Pole as specified and as shown on drawings), (Type is MOELLER , EATON or equivalent)</u> factory assembled wired and tested in accordance with international standards, including 2mm galvanized steel frame with antistatic paint , neutral bus bar and earthing terminal ,and all necessary civil works for foundations,cable trenches and handing over clean, tested and in operating conditions as NEC,SEC specifications.	No.	1		
3-Phase Digital KWH Meter					
10	3-Phase Digital KWH Meter: Supply,install,connect and operate 3-phase digital KWH meter, 3*50KA (Fronius or equivalent) with all other material needed to have a complete job ,The kWh meter has a digital interface for monitoring by the Remote Monitoring System .All works and materials must be according to the drawings, catalogues, specifications and UNDP Engineer instruction's and approval.	No	1		
DC/AC CABLES AND CONDUITS					
11	supplying, Install, connecting, and termination all the DC/AC wire that mension in drawing with all required conduits and fittings including all electrical and civil works, the item includes dismantling and re install the existing cables and laying under ground PVC piping system, manholes, excavation, warning tapes, backfilling and all required civil works to finish the work according specifications and demands of the supervising engineer, to connect cables terminals from source to destination. The work will include re distribution of all existing loads of the main panel to achive the balance of each phase. According to drawings, specifications, the allowable voltage drop for DC cables between inverter and PV system less than 3%, if the work need any excavation the contractor should be Supply, laying underground PVC piping system for power cable at depth 90 cm The work includes excavation 50 cm width, backfilling with clean sand , laying pipes, warning tapes, all work must be according to UNDP Engineer. instructions, and demands of the supervising engineer. as follow:				

Item No.	Discription	Unit	Quantity	Unit Rate SAR	Total Amount SAR
11.1	pv wire,10AWG,1/C ,copper, Red color,500ft/roller.	No.	12		
11.2	pv wire,10AWG,1/C ,copper, Black color,500ft/roller.	No.	12		
11.3	XHHW-2, 4AWG.1/C, copper, Red color,flexable.	MT	4500		
11.4	XHHW-2, 4AWG.1/C, copper, Black color,flexable.	MT	4500		
11.5	XHHW-2, 6AWG.4/C, copper, R,B,Y,BLA ,G color.	MT	250		
11.6	XHHW-2, 490KCMIL.4/C, copper, R,B,Y,BLA,G color.	MT	40		
11.7	Rigid non metalic PVC ,SCH 80 , 1" DIA with it's fittings	MT	1600		
11.8	Rigid non metalic PVC ,SCH 80 , 3" DIA with it's fittings	MT	20		
11.9	unistrut channel steel with it's fitting	MT	40		
LIGHTNING AND GROUNDING SYSTEM					
12.0	Supply, install and commission complete Earthing system including all required copperl rods 19mm(3/4") DIA 2.4 long, 6Pcs,Grounding electrodes conductors 4AWG ,equipment grounding conductors (10AWG for Module fram and Mounting (Roof) structures),(6AWG for non current carrying conductors equipments), earthing pits, clamps ,Chemical treatment of the soil, all accessories to be the Ressistance less than 2 Ω. according to drawings, specification and engineers instructions.	set	4		
	internal dimension should not less than (7m LG, 3m W, 3m H)				
	Supply and build hollow cement blocks 40x20x20cm	M2	60		
	Ditto but 40x20x 15 cm thick for the roof wall.	M2	21		
	Supply and build solid cement block 40x20x20 cm, under ground beams, and external boundary for building including painting the buried parts with one coat of primer and two coats of hot bitumen (75/25) after primer layer.	M2	21		
	1- the wall of room should be insulated against the outside temperature by approved material with approved thickness.	M2	60		
	2- one split air condition 18 BTU , with high specification.	EA	1		
	3- Take into account the work of wall holes from both sides of the room for the passage of electrical wiring pipes from the roof of the building and going to the room of the electrical distribution panel as required from UNDP UNDP Engineer.	EA	15		
	4- supply and install all the required PPE (Personal protective Equipment).	PK	1		
Total Bill					

Name of Bidder: _____

Authorised signature: _____

Name of authorised signatory: _____

Functional Title: _____

FORM G: Form of Bid Security

**Bid Security must be issued using the official letterhead of the Issuing Bank.
Except for indicated fields, no changes may be made on this template.**

To: UNDP
[Insert contact information as provided in Data Sheet]

WHEREAS [Name and address of Bidder] (hereinafter called "the Bidder") has submitted a Bid to UNDP dated [Click here to enter a date.](#) to execute goods and/or services [Insert Title of Goods and/or Services] (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 if 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 Bids;
- c) Fails to comply with UNDP's variation of requirement, as per ITB instructions; 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 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 up to 30 days after the final date of validity of bids.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Signature: _____

Name: _____

Title: _____

Date: _____

Name of Bank _____

Address _____

[Stamp with official stamp of the Bank]