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INVITATION TO BID

SUPPLY OF SOLAR WATER PUMPS AND ALUMINIUM OVERHEAD WATER TANKS ON 16 SITES IN THE GAMBIA

ITB No.: 2020/UNDP/GAM/PACD/009

Project: Programme for Accelerated Community Development (PACD)

Country: GAMBIA

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Section I. Letter of Invitation

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

This ITB includes the following documents 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
 - o Form A: Bid Submission Form
 - o Form B: Bidder Information Form
 - o Form C: Joint Venture/Consortium/Association Information Form
 - o Form D: Qualification Form
 - o Form E: Format of Technical Bid
 - o Form F: Price Schedule

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 thomas.mugabiyimana@undp.org , indicating whether you intend to submit a Bid or otherwise. You may also utilize the "Accept Invitation" function in eTendering 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: Thomas Mugabiyimana

Title: Team Leader

Date: November 28, 2020

Name: Aissata De

Title: Resident Representative

Date: November 28, 2020

Section 2. Instruction to Bidders

GENERAL PROVISIONS

1. Introduction	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://poppp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d 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. 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. 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.
2. Fraud & Corruption, Gifts and Hospitality	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 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. 2.3 In pursuance of this policy, UNDP: (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; (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. 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
3. Eligibility	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. 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.
4. Conflict of Interests	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: 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. 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. 4.3 Similarly, the Bidders must disclose in their Bid their knowledge of the following: 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. Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure. 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.
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B. PREPARATION OF BIDS

5. General Considerations	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 rejection of the Bid. 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.
6. Cost of Preparation of Bid	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.
7. Language	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.
8. Documents Comprising the Bid	8.1 The Bid shall comprise of the following documents and related forms which details are provided in the BDS: 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	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.
10. Technical Bid Format and Content	10.1 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB. 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. 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. 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.
11. Price Schedule	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. 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.
12. Bid Security	12.1 A Bid Security, if required by BDS, shall be provided in the amount and form 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. 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. 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. 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. 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: 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: 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	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: 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	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. 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. 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. 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 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. 14.5 A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between: 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. 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 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.
15. Only One Bid	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. 15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following: a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this ITB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process; e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or 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	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. 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.
17. Extension of Bid Validity Period	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 integral to the Bid. 17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid. 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.
18. Clarification of Bid (from the Bidders)	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. 18.2 UNDP will provide the responses to clarifications through the method specified in the BDS. 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.
19. Amendment of Bids	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. 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.
20. Alternative Bids	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. 20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"
21. Pre-Bid Conference	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.
c. SUBMISSION AND OPENING OF BIDS	
22. Submission	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. 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. 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.
Hard copy (manual) submission	22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows: 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. (b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall: - Bear the name of the Bidder; - Be addressed to UNDP as specified in the BDS; and - Bear a warning not to open before the time and date for Bid opening as specified in the BDS.

	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.
Email and eTendering submissions	22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows: a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS; 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. 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-notice/resources/
23. Deadline for Submission of Bids and Late Bids	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 23.2 UNDP shall not consider any Bid that is received after the deadline for the submission of Bids.
24. Withdrawal, Substitution, and Modification of Bids	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. 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" 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. 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.
25. Bid Opening	25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members. 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. 25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.
D. EVALUATION OF BIDS	
26. Confidentiality	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. 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.
27. Evaluation of Bids	27.1 UNDP will conduct the evaluation solely on the basis of the Bids received. 27.2 Evaluation of Bids shall be undertaken in the following steps: 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) a) Evaluation of Technical Bids b) Evaluation of prices Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary
28. Preliminary Examination	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.
29. Evaluation of Eligibility and Qualification	29.1 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria). 29.2 In general terms, vendors that meet the following criteria may be considered qualified: 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	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.
31. Due diligence	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: 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 works, as deemed necessary; e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder; f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.

32. Clarification of Bids	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. 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. 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.
33. Responsiveness of Bid	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. 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.
34. Nonconformities, Repairable Errors and Omissions	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. 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. 34.3 For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows: a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail. 34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall 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	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.
44. Payment Provisions	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.
45. Vendor Protest	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: http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html
46. Other Provisions	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. 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. 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

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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 Provide details below if “Will be Conducted” is selected, otherwise delete the below Time: 3 pm GMT Date : December 2, 2020 3:00 PM Venue : Virtual via video conference through this link: Topic: Pre-bid conference on ITB for supply of solar water pumps and overhead water tanks Time: Dec 2, 2020 03:00 PM Africa/Banjul Join Zoom Meeting https://undp.zoom.us/j/83059255858?pwd=RUVPTjFsT2JWRXc1cm1EZndwdnhtdz09 Meeting ID: 830 5925 5858 Passcode: 188239 The UNDP focal point for the arrangement is: Thomas Mugabiyimana Telephone: 335 39 00 E-mail: thomas.mugabiyimana@undp.org
5	16	Bid Validity Period	90 days
6	13	Bid Security	Not Required
7	41	Advanced Payment upon signing of contract	Allowed up to a maximum of 15 % of contract value
8	42	Liquidated Damages	Will be imposed as follows: Percentage of contract price per day of delay: 0.5% Max. number of days of delay 15, after which UNDP may terminate the contract.

9	40	Performance Security	Required in the amount of 5% of the contractual amount
10	12	Currency of Bid	Local currency :GMD
11	31	Deadline for submitting requests for clarifications/ questions	Four (4) days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	Focal Person in UNDP: Thomas Mugabiyimana Address: 5 Koffi Annan, Bakau E-mail address: thomas.mugabiyimana@undp.org
13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Direct communication to prospective Proposers by email and Posting on the website procurement.notices.undp.org
14	23	Deadline for Submission	December 6 th , 2020 at 11:59 pm GMT
14	22	Allowable Manner of Submitting Bids	☐ Courier/Hand Delivery ☒ Submission by email (preferably through e-tendering) ☒ e-Tendering
15	22	Bid Submission Address	e-tendering or bids.gm@undp.org (only if a bidder failed to submit it through e-tendering)
16	22	Electronic submission (email or eTendering) requirements	- 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: 2 MB - Mandatory subject of email: ITB no 2020/UNDP/GAM/PACD/009, Solar water pumps and water tanks for PACD - Documents which are required in original (e.g. Bid Security) should be sent to the below address with a PDF copy submitted as part of the electronic submission: UNDP Gambia 5 Kofi Annan Street, Cape Point, Bakau, P.O Box 553 Banjul, Gambia
17	25	Date, time and venue for the opening of bid	Date and Time: December 7, 2020 9:00 AM Venue: UNDP, UN House, 5 Kofi Annan, Bakau (Electronically)
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 16, 2020</i>
20		Maximum expected duration of contract	120 days

21	35	UNDP will award the contract to:	One Proposer Only Lowest Technically responsive bid
22	39	Type of Contract	Contract for Civil Works 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 bidder will supply the solar water pumps and aluminium overhead water tanks and install them on the sites of drilled boreholes.</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 (if required) submitted as per ITB requirements with compliant validity period

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	▪ 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	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	Minimum 5 years of relevant experience.	Form D: Qualification

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.

Experience	Minimum 3 contracts of similar value, nature and complexity implemented over the last 5 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 400,000.00 for the last 5 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

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

ITB Scope of the Works (SoW) and Work Schedules

GENERAL INFORMATION

Works Description:	Supply and Installation of Solar Water Pumping Systems and Elevated Water Tanks in sixteen (16) locations in The Gambia
Project/Program Title:	Project for Accelerated Community Development (PACD) – Rural Water Supply
Design Review Unique ID:	
Workstation:	All Regions of The Gambia
Type of the Contract:	
Construction Duration:	4 months
Expected Start Date:	December 2020

I. PROJECT BACKGROUND

The Project for Accelerated Community Development (PACD) is being implemented by the United Nations Development Project (UNDP) in partnership with the Government of The Gambia (GoTG) with funding by GoTG, UNDP and other stakeholders. The Project is being implemented in coordination with the Department of Water Resources of The Gambia.

This Project is for the provision of safe drinking water to the rural poor in The Gambia. It will be a continuation of previous endeavors in the rural water supply sector funded by the Government of The Gambia and its Development Partners since the 1980's. These interventions have initially largely been in the form of hand dug wells equipped with hand pumps. However, with the advent of solar water pumping technology in the 1990's, solar powered piped water supply systems became the systems of choice applied for medium and large rural communities in the country.

II. GENERAL DESCRIPTION OF THE WORKS

The project is in one component, which involves:

- i. Supply and installation of Solar Water Pumping Systems;
- ii. Construction of Reinforced Concrete Foundation for Elevated Water Tanks;
- iii. Supply and erection of steel towers;
- iv. Supply and erection of galvanized tank storage.

III. SPECIFICATIONS

Technical Specifications for Solar Water Pumping Systems Villages in The Gambia

1. OBJECTIVES OF TECHNICAL SPECIFICATIONS AND INSTRUCTIONS

The objective of this section is to define the technical specifications for the equipment, instructions for installation, and the implementation of the after sales services of the requested photovoltaic pumping equipment. It should be appreciated that in the case of PV equipment, component size ratings are characteristically manufacturer dependent.

Therefore, in the presentation of specifications for certain components, one is limited to specifying ranges and/or desired output rather than specific values.

Prospective bidders are therefore advised to propose and cost for material that most closely meets the required ratings, specifications and/or desired outputs.

Evaluation of bids would be based on both technical and financial considerations, and bidders are therefore urged to submit along with their bids, detailed technical documentation. These should include design considerations, diagrams, drawing etc., and where appropriate, design justifications.

Following the award of the contract, the successful bidder would be required to submit a final design for approval by the Project Manager/Consultant prior to commencement of installation.

2. DESCRIPTION OF THE GENERAL CONFIGURATION OF THE SYSTEM

The pumping system is for installation in a remote location and must be capable of autonomous and automatic operation, with the minimum of intervention from the beneficiary community. In principle, the photovoltaic pumping system will have the following elements:

- A photovoltaic generator comprising photovoltaic modules, module support structure, electric cabling and other electrical accessories and appropriate security fixtures;
- An interface constituted by an energy converter/inverter, DC/AC;
- A standard manufacture submersible pump with appropriate cabling and fixtures;
- An outlet pipe and associated fittings;
- A well head arrangement consisting of control and metering accessories;
- Appropriate protective and security devices;

The photovoltaic pumping systems should be capable of operation without the need of electro-chemical batteries.

3. TECHNICAL RECEPTION OF THE EQUIPMENT

- 3.1 Provisional Reception
A provisional reception is expected for the solar pumping system, on completion of installation. During the reception visit, measurements and tests will be carried out to ascertain that the pumping system performs within the values as specified. Results obtained during the tests should indicate that the daily discharge, Q/day, should be $\geq 90\%$ of proposed design values.
- 3.2 Final Reception
The final reception for each system will be declared one year after the provisional reception. It will be preceded by operational checking visits and will be aimed at determining that the performance of each installation is still within the limits of the proposed specifications.
- 3.3 Site Data

Item	Name		Region	Hourly water	
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		District		Pumping Rate(m ³ /h)	Total head required (m)
1	Kerr Jain, Kerr Njugari and Kerr Wally	Jokadu	NBR	13	40
2	Yallal Ba and Numu Kunda	Sabach Sanjal	NBR	10	40
3	Bambally	Sabach Sanjal	NBR	10	35
4	Kass Wollof and Fula	Niani	CRR	13	50
5	Pallol Wollof and Fula	Niani	CRR	11	67
6	Sandi Kunda	Jimara	URR	13	35
7	Bonsa	Brikama North	WCR	15	35
8	Manduar	Kiang West	LRR	8	47
9	Kolior Nyamala, Sula and Jallow Kunda	Kiang East	LRR	8	35
10	Kayai	Niani	CRR	10	35
11	Njorem and Sankabary	Fulladou West	CRR	7	53
12	Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	Wulli East	URR	5	33
13	Mureh Kunda and Sare Wuro	Wulli East	URR	8	59
14	Manakoto Foday and Keita	Wulli West	URR	5	45
15	Bisandougou	Fulladu East	URR	7	53
16	Kabakoto (Ker Ousman Busso) and Malick Nana	Upper Nuimi	NBR	8	35

Note: The above pumping head parameters are estimates and the actual values will be forwarded to the successful bidder once borehole drilling is complete.

All supplies shall be totally suitable for the typical climatic and other prevailing conditions in The Gambia. In order to avoid technical testing before reception, the contractor shall provide adequate certification of the materials. Certification shall be according to recognized international standards.

4. COMPONENT SPECIFICATIONS

The minimum specifications of the principal components of the proposed systems shall be:

4.1. MODULES:

- Mono- or Poly-crystalline with certified performance and lifespan values compared to mono-crystalline cells;
 - Nominal power rating between 200 – 300 Wp
 - Aluminum or Stainless Steel frame in weatherproof glass enclosure. Must accommodate anti-theft fittings
-

- IP 55 Degree of Protection
- Weather-proofed connection boxes with watertight cable entry glands, diode protection and clearly marked polarity terminals
- Minimum markings must indicate:
 - Name, or trade mark of manufacturer
 - Number or reference of module
 - Serial number
 - Rated power (Wp)
 - Rated Current I_{MPP}
 - Short circuit current (A)
 - Open circuit voltage (V) for STC conditions
 - Admissible maximum voltage of systems for which the module is adequate
 - Country of manufacture
- Appropriate documentation to be submitted with the offer;

4.2. MODULES SUPPORT STRUCTURE

- Reinforced concrete support structure
- Must withstand wind speeds of up to 150km/h with modules attached
- The structure shall be mounted on in-situ cast concrete foundations with a minimum elevation of 20cm above the soil surface;
- All connecting and holding-down bolts and other materials to be galvanized or of other suitable, durable and non-corrosive material;
- The modules are to be mounted with an inclination of 15% in true south direction, or as otherwise recommended by the supplier with justifications for the conditions in The Gambia;
- All connecting cables are specified as: H 07RN or equivalents i.e. weather resistant, rubber sheathed, rubber insulated, and flexible stranded round conductor;
- The modules shall be fixed to the support structure by means of anti-theft screws, bolts or nuts. The tenderer is free to offer alternative solutions to enhance security.
- The support structure shall be designed in a manner that will allow an average size local person to easily clean the modules with a minimum need for arm-extending tools. If necessary, it shall include steps and holding devices at the higher parts of the structure;
- The support structure/foundations should ensure a clearance of the modules of at least 60 cm above the highest surrounding ground level.
- Underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor shall be created in cast concrete, laid concrete tiles or bricks, to protect against undergrowth and erosion;
- Appropriate documentation on construction elements and construction drawings to be submitted with the bid;

4.3. ARRAY JUNCTION BOX

- The junction box shall satisfy the following functions:
 - a. decoupling of the series modules;
 - b. paralleling of the series modules;
 - c. overload, short-circuit and ground fault protection;
 - d. Double-Pole disconnect switch to isolate solar array;
 - Weather-resistant plastic casing with a transparent lid (IP65);
 - Max voltage ~ 500 VDC
-

- Mounted at a well accessible place in the shade of the modules, with anti-theft provisions;
- Clear layout and markings of the various connection points;
- The box shall be easily mounted, removed or replaced during repair by the maintenance operator;
- Technical documentation to be submitted with the offer;

4.4. PUMP INVERTER

- The inverter shall be of proven performance quality and be accompanied by relevant certificates and test reports from recognised technical institutions;
- Must provide autonomous operation of standard 3-phase centrifugal pumps, with protection against:
 - Reversed polarity
 - Low voltage
 - High voltage due to atmospheric activity
 - Dry running of pump
 - Pump overload (jammed pump)
 - Tank overflow option
- Incorporate clearly visible external indicators for:
 - Normal operation
 - Dry running condition
 - Pump overload
 - Tank Full
- Built-in MPPT
- Self-regulation following error correction
- Fully sine wave
- Frequency of 0 – 70 Hz programmable
- Natural and/or forced cooling
- Minimum IP55/56 protection
- External On/Off switch
- Built into a well sealed, weather and tamper proof housing;
- Solidly mounted on the support structure, easily accessible and in the shade of the modules, with antitheft provisions;
- Mounted with a clearance of min. 60 cm above ground level;
- Quickly mounted, removed and replaced during repair by the maintenance operator;
- Detailed technical and operational documentation shall be provided;
- The inverter should have built-in protection arrangements to allow safe direct connection of the system's pump to a stand-by generator set for additional (night) pumping;
- The inverter's documentation should describe the manner of connection and operation of such stand-by arrangement;

4.5. SUBMERSIBLE PUMP, RISER PIPE AND FITTINGS

- Multi-stage standard-manufacture centrifugal pumps with radial impellers and directly-coupled submersible 3-phase motors with internal thermal protection;
 - AISI 304 or 316 complete stainless steel construction;
 - Enclosure class of IP58
 - Non-return valve
 - Water-tight cable connectors resistant to pressure equal to 2 or more bars
 - Water resistant cables
 - The pumps should fit into 6-inch (150 mm ID) cased boreholes, explicitly confirmed in the offer;
 - Flexible riser pipe with food-grade acid-resistant internal surface and tough wear-resistant exterior;
-

- Riser pipe must have facility for cabling attachments;
- Reusable Stainless Steel couplings at pump outlet and wellhead
- Stainless steel security cable and fittings;
- Detailed technical and performance data to be provided;

In addition, the bidders are required to install an air valve system on the pumping system that allows for direct pumping into the pipe reticulation system through the bypass arrangement described below.

4.6. WELLHEAD AND SURFACE PIPEWORK

- The pumping equipment shall be supplied and installed complete with a borehole-head arrangement, (wellhead) to which both the riser pipe and surface pipe work are to be connected. It should be constructed of solid galvanised steel and provided with two monitoring holes with screwed caps
- The pumping equipment shall be supplied and installed complete with stainless steel pipe-work, cumulative water meter, valve and threaded manometer socket. The pipe-work shall end at 0.80m. below ground level, and include a 4-inch adapter; **The Installation should also include a bypass arrangement to enable water pumping directly into the pipe network without going through the tank. In this regard, the bidder should include in their price the required valves, non-return valves and all other required fittings.**
- Pipe work above ground level should consist of a minimum of:
 - 90° bend just above wellhead of same diameter as outlet pipe
 - A “Woltman” type or equivalent cumulative helix-axial water meter with a resolution of 0.1 litres. Components in contact with water should be of non-corrosive materials
 - A “Victaulic” type or equivalent flexible connection on outlet pipe towards tank
 - A quarter-turn gate valve
 - A ½”, 1 cm high tap hole with stainless steel screw cap

4.7. ENCLOSURE

- Each solar unit shall be all around secured by a fence of galvanised wire mesh of minimum diameter of 3mm and supporting wire of minimum diameter 6mm
- The fence should have a minimum height of 2 metres above ground level, supported by stainless steel or galvanised steel posts encased in concrete casings measuring 20 x 20 x 40 mm high with a maximum spacing of 2 metres between posts.
- A galvanised wire mesh access gate of same height as fence and with a minimum width of 1 meter;
- The access gate is to be provided of a lock with triplicate keys, or padlock arrangement.
- The distance between the modules and the fence will be a minimum of 3m in the east-west axis and 2m in the north-south axis; (See Fig 1 for proposed system layout)
- Detailed specifications and site-layout drawings shall be provided in the offer, for each offered system configuration.

4.8. AUXILIARY EQUIPMENT

- All cables supplied with the solar pumping equipment shall be of the standard H 07RN or equivalent, i.e. weather resistant, rubber sheathed, rubber insulated, flexible, stranded round conductor.
- The protection of the systems against high voltages of atmospheric origin is to be provided by equipotential bonding of all metallic components, including support structure, wellhead, mounting surfaces and fence enclosure. This should be achieved with material of minimum resistance of 30 ohms provided either by buried plates or steel or copper rods/bars with a minimum length of 2m.
- An aluminium identification panel, with a minimum size of 1.00 x 0.60m., shall be mounted at the fence on which is durably printed: the site name, model and size of the pumping system, expected daily output in

- m3/day, name of financing agency and contact address of company that installed the system. The exact text and layout shall be agreed upon with the supervisor.
- Proposals can be made for simple anti-theft devices (for example an audible alarm built into the inverter or junction box, triggered by unauthorized disconnection of module cables or attempted detachment/removal of components)

5. AFTER SALES SERVICES AND MAINTENANCE

One important condition for the required solar pumping units will be a long-term arrangement for maintenance and repair facilities in-country. The supplier shall for this purpose commit himself to and ensure that adequate technical and logistical capacity is, and will remain available for the entire duration of the after-sales-service which will be for five years. During the first five years of operation of the solar water pumping system, the supplier will repair any fault and replace faulty components at no cost within 72 hours of notification of such fault.

Bidders must indicate as part of their experience after sales services they have executed on similar solar water pumping systems in The Gambia. Minimum requirement is two similar (in number and magnitude) after sales services in the past five years

Specifications for Elevated Water Tanks for Village Water Supply in The Gambia

1.0 Location

The tanks are to be erected in:

Item	Name	District	Region	Hourly water Pumping Rate(m ³ /h)	Total head required (m)
1	Kerr Jain, Kerr Njugari and Kerr Wally	Jokadu	NBR	13	40
2	Yallal Ba and Numu Kunda	Sabach Sanjal	NBR	10	40
3	Bambally	Sabach Sanjal	NBR	10	35
4	Kass Wollof and Fula	Niani	CRR	13	50
5	Pallol Wollof and Fula	Niani	CRR	11	67
6	Sandi Kunda	Jimara	URR	13	35
7	Bonsa	Brikama North	WCR	15	35
8	Manduar	Kiang West	LRR	8	47
9	Kolior Nyamala, Sula and Jallow Kunda	Kiang East	LRR	8	35
10	Kayai	Niani	CRR	10	35
11	Njorem and Sankabary	Fulladou West	CRR	7	53
12	Sare Modou Jawo,	Wulli East	URR	5	33

	Sakoli Kunda and Sandi Kunda				
13	Mureh Kunda and Sare Wuro	Wulli East	URR	8	59
14	Manakoto Foday and Keita	Wulli West	URR	5	45
15	Bisandougou	Fulladu East	URR	7	53
16	Kabakoto (Ker Ousman Busso) and Malick Nana	Upper Nuimi	NBR	8	35

1.1 Basic Composition

Tank should be of cylindrical bolted construction, enclosing an open top water-tight membrane liner, mounted on an elevated steel tower erected on concrete foundation.

Structure should be designed to withstand local conditions both when filled and empty.

1.2 Tank Foundation

The Contractor is required to perform geotechnical investigation at the planned construction sites of the elevated tanks and confirm the ground conditions by the Standard Penetration Test (SPT) or any other internationally acceptable soil bearing pressure test. The reinforced concrete foundation depth and type will be determined based on the values obtained at each depth measured during the tests at the various tank locations.

1.3 Tank Shell Structure

Plates and sheets used in the construction of the tank shell and tank cover shall comply with **BS EN ISO 1461:2009** Hot dip galvanized coatings on fabricated iron and steel articles, or equivalent.

- The materials, design, fabrication and erection of the bolted steel tanks shall conform to acceptable international standards.
- The minimum sheet/plate thickness shall be 0.8 mm
- Standard shell height and diameter should meet requirements for the selected capacity.
- Base should be constructed of a flat sheet/plate
- Cover to be constructed from bolted sheets adequately supported and inclined to minimise accumulation of rainwater and debris. The cover should incorporate a lockable access hatch
- External hooped ladder with lockable entry to prevent unauthorised access.

1.4 Membrane Liner

Minimum 0.8mm thick for reinforced PVC, and 1.0mm for butyl or EPDM approved for contact with potable water. (Bidder will be required to provide supporting certification documentation). Liner dimensions: Generally +50mm over tank diameter and +100mm over tank height.

Transport and storage should be in accordance with manufacturer's recommendation.

1.5 Elevated Tower

Elevated tower of minimum height 6 m is to be constructed of hot-dipped galvanised steel. All bracings, nuts, bolts and other fittings are to be fabricated of the same material.

1.6 Pipework & Fittings

Factory predrilled openings for inlet, outlet, overflow and washout connections. Pipework to be supported by bracket.

The outlet connection is to include an external gate/wheel valve. Overflow and washout connections are to be connected by common pipework to washout/overflow chamber.

- Provision to be made for installation of submersible pump cut-out control system under full tank conditions, to be connected to the solar water pumping system.
- Calibrated contents gauge/level indicator with highly legible markings in metric units.

1.7 Overflow/Washout Chamber

- A washout/overflow chamber measuring 1300 x 1300 x 100mm is to be constructed for the purpose of containing overflow spillage and washout during cleaning. The chamber is to be located 5000mm from the tank foundation and constructed of block work.
- Chamber to be filled with boulder stones and covered with a 50mm thick concrete slab.
- Refer to drawings for additional details.

1.8 Valve Chamber

- The outlet pipework shall terminate in a 900 x 900 1000mm valve chamber housing the main outlet control valve which shall act as interface between the tank and the piped water network. The chamber is to be constructed of blockwork with a concrete cover slab as per drawing. Valve size shall be as indicated in Bill of Quantities.

1.9 Erection

- Field erection of bolted steel tanks shall be in strict accordance with the tank manufacturer's recommendations.
- Particular care shall be exercised in handling and bolting of the tank plates, supports, and members to avoid abrasion or scratching of the coating.
- A full and comprehensive installation manual as provided by the manufacturer to be submitted with offer. The manual should details the required tools and equipment instrumental to proper installation procedure.

2.0 Testing

- Following completion of erection and cleaning of the tank, the tank shall be tested for liquid tightness by filling the tank to its overflow elevation. Any leaks disclosed by this test shall be corrected by the erection contractor in accordance with the tank manufacturer's recommendations.
- Filling and emptying the tank shall be the responsibility of the Contractor.

2.1 Warranty

- The tank manufacturer shall warrant the tank against any defects in workmanship and materials for a period of one (1) year from date of installation. In the event a defect should appear, it shall be reported in writing to the manufacturer during the warranty period.
- The tank contractor shall warrant the tank against any defects in workmanship for a period of one (1) year from date of installation. In the event a defect should appear, it shall be reported in writing to the erector during the warranty period.

IV. DRAWINGS

See Annex 1

V. BILLS OF QUANTITIES (BOQ)

See Annex 2

VI. PROGRAMME

The Contract Programme must be in such form and detail as the Employer's Representative requires and must contain as a minimum:

- (a) the order in which the Contractor proposes to carry out the Works;
- (b) the time limits within which submission of any Contractor's documents are required under the Contract.

The Contract Programme must be prepared in sufficient detail to ensure the adequate planning, execution and monitoring of the Works. The networked activities must be detailed enough to provide a meaningful measurement tool for progress of works.

The Contract Programme must also be resource loaded and include material, plant and labour. The Contract Programme must be accompanied by and/or detail:

- (a) a general description of the **arrangements and methods** which the Contractor proposes to adopt for carrying out the Works;
- (b) the **critical path for the Works** and a complete critical path analysis for the execution of the Works which must show clearly the links between activities and the float times available within the Contract Programme and the earliest start/earliest finish and latest start/latest finish times for each and every activity;
- (c) The Preliminary Programme may be prepared in **MS Excel or MS Project**. The Outline Statement of Proposed methods demonstrates the Bidder's capacity to identify the core or sensitive components required to complete the works within the required quality expectations and indicated the approach that the Bidder intends to use in order to execute those components.
- (d) Details, and durations on Site, of the resources proposed to achieve the Contract Programme;
- (e) A schedule of all submittals and material procurement activities, including time for submittals, re- submittals and reviews and time for any fabrication and delivery of manufactured products.

VIII. REPORTING REQUIREMENTS

The contractor shall submit the below reports:

Monthly Report with the following minimum information:

- a. Monthly achievements against the monthly plan (activity update)
 - b. Pictures of the works at each stage
 - c. Challenges encountered and actions taken
 - d. Detail work Plan for the next month as distinguished by weekly plans
 - b. Other reports, which include:
 - a. Quality supervision and procedures made in the execution of the works;
 - b. Approvals made to construction resources on the basis of submittals, mock ups, tests, certificates, product catalogues etc...
 - c. Any changes, work orders and variations issued;
 - d. Any challenges and/or compensation events or unforeseeable obstructions;
-

- e. Any defective works identified during supervision and proposal for rectifications;

IX. DOCUMENTATION

The contractor shall keep and make available as required the below documents:

- ☐ Drawings and specifications of works
- ☐ Instructions given by the engineer on the site book
- ☐ Any official letters/e-mail communications between the Consultant and the Contractor
- ☐ Work plan
- ☐ Monthly reports
- ☐ Financial updates: Payments made and the outstanding balances

X. TIMING, MILESTONES

The Contractor shall comply with the following timing requirements:

- a. **Mobilization Period:** mobilization shall commence within ten (10) calendar days after signing of the contract. It shall include the following activities during this time:
- ☐ Site Possession;
 - ☐ Setting out
 - ☐ Submission of Work Program;
 - ☐ Submission of Safety and Health (H&S) and Environment Management Plans;
 - ☐ Arrangement and submission of Bank Guarantee (BG) for Performance;
 - ☐ Site Preparations such as site office, storage areas, access to the workmen and equipment etc;
 - ☐ Resource Mobilization to the site; and

B. CONSTRUCTION OF SUB-STRUCTURE:

- ☐ Excavation: Site Clearing, Excavation for foundation of solar panel support structures
- ☐ Excavation: Excavation for foundation for erection of chain link fence poles
- ☐ Excavation: Site Clearing, Excavation for foundation of the steel tanks
- ☐ Concrete work: Reinforced concrete for foundation of solar panel support structures
- ☐ Concrete work: Reinforced concrete for foundation slab of steel tanks.
- ☐ Backfill around the foundation with selected material and well ram with 95% proctor

C. INSTALLATION OF SOLAR PANELS AND ERECTION OF ELEVATED WATER TANKS:

- ☐ Concrete support units for solar panels
 - ☐ Installation of solar panel frames
 - ☐ Installation of solar panels with anti theft screws
 - ☐ Installation of inverters
 - ☐ Installation of submersible pumps
 - ☐ Installation of headwork arrangements
 - ☐ Earthing
 - ☐ Fencing of solar panel area
 - ☐ Erection of elevated tank towers
 - ☐ Installation of tank storage
 - ☐ Connection of solar pumping system to elevated tank
 - ☐ Testing of system
-

D. DEFECTS LIABILITY PERIOD (DLP): 12 MONTHS

The following documents shall be presented upon completion of the work:

- ☐ Operation and Maintenance Manual;
- ☐ A snagging list identification and updating;
- ☐ Rectification of the snagging list;
- ☐ Final Handover paper – officially signed by partners including DWR, UNDP and Office of the President.

XI. ABBREVIATIONS

The following abbreviations have been used in the Bills of Quantities:

Abb.	Descriptions
kW	Kilo Watts
pcs	Pieces
m	Meter
m²	square meter
M³/h	cubic meter per hour
mm	Millimeter
Nr.	Number
GMD	Gambian Dalasi
m³	cubic meter
GMS	Galvanized mild steel
LS	Lump Sum
PS	Provisional Sum

XII. ORGANIZATIONAL REQUIREMENTS AND KEY PERSONNEL

The prospective Bidder/Contractor is expected to meet the following minimum organizational requirements:

- ☐ Bidder must have a minimum of **Fifteen (15) years'** experience in construction sector and satisfactorily completed at least **three (3)** similar projects in the last **ten (10) years**. The Bidder must also demonstrate its ability to complete high quality works by attaching **at least three (3) references** with full contact details as per the template preferably from clients such as UN Agencies or other Development Agencies, international NGOs, Multinational companies, etc.;
 - ☐ It should be **GC Three and above Category** certified by **legislative authority**
 - ☐ Current Ratio (Current Asset / Current Liability) **MUST be at least 1.00**
 - ☐ **Financial capability – Sales Turnover:** Bidders should have average annual sales turnover **of minimum USD 400,000.00** in the last five (5) years;
 - ☐ Prospect Contractor/Bidder must demonstrate financial capacity through provision of the past **TWO RECENT AUDITED FINANCIAL STATEMENTS**;
 - ☐ Prospect Contractor/Bidder in its technical proposal shall demonstrate its capabilities and understanding of the Scope of Works (SOWs), Bill of Quantities (BoQ) and Drawings.
 - ☐ **At Least Three (3) such references** must be declared and duly signed and stamped testimonials are attached by the Bidder with full contact details.
 - ☐ Experience working with UN, other international organizations and/or NGOs is advantageous.
 - ☐ Provide a brief description of the organization / firm financial standing which clearly indicate
-

its financial strength to Technical Panel who will appraise the proposal.

- ☐ Provide tabular summary of the respective Audited Financial and/or its equivalent Statements (Income Statement and Balance Sheet) **in the last two (2) years.**
- ☐ There should not be any adverse report regarding the construction service for at least five (5) years preceding the date of bid opening;

XIII. ESSENTIAL EQUIPMENT / MACHINERIES REQUIREMENTS

A Bidder/Contractor must avail at least the following equipment and/or assets in order to successfully carry out the construction project in the specified sites. **Certificates of Ownership for those assets/machineries and/or Lease/Rent agreement MUST be attached along** with the "ITB Returnable Bidding Document"

No.	Equipment Type and Characteristics	Minimum Number required
1	Solar Installation tools (Lumpsum)	2
2	Utility Truck (Min 5 Tonne Capacity)	2
3	7KVA Portable Generator for installation	1
4	Concrete Mixer	2
5	Concrete Vibrator	2
6	Water Bowser	1
7	Crane Truck	1
8	20 Tonne Truck	2

XIV. PAYMENT MODALITY AND AUTHORITY

Prospective Contractor/Bidder shall be paid on Measure and Pay modality and only after Approving Authority of the project confirms the successful completion as per respective Bill of Quantities (BoQs) set for each sites in this ITB.

XV. INSURANCE POLICY REQUIREMENTS

Prospect Bidders/Contractors are required to specify and attach the following insurance policies along the Returnable Bidding Document:

1. Construction All Risks Insurance/Third Party Liability Insurance (**covering 110% of total value**)
 2. Workers' Compensation/Employer's Liability Insurance (**covering 110% of the total value**)
 3. Contractor's Plant and Equipment Insurance (**covering 110% of total value**)
 4. Motor Insurance (**110% of total value**)
-

II. ANNEXES TO THE SCOPE OF WORKS (SOW)

Detail structural drawings are attached as Annexures for your further reference.

Drawings of the tank:



Bill of Quantities:

1. Solar water pumps

SOLAR WATER PUMPING SYSTEM FOR BAMBALLY					
Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	10 m ³ /hr at 35 m head to be installed in Bambally	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Bambally	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Bambally	No	1		

SOLAR WATER PUMPING SYSTEM FOR BISANDOUGOU

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	7 m3/hr at 53 m head to be installed in Bisandougou	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Bisandougou	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling , parallelling , protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Bisandougou	No	1		

SOLAR WATER PUMPING SYSTEM FOR BONSA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	15 m ³ /hr at 35 m head to be installed in Bonsa	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Bonsa	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Bonsa	No	1		

SOLAR WATER PUMPING SYSTEM FOR KASS WOLLOF AND FULA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	13 m ³ /hr at 50 m head to be installed in Kass Wollof and Fula	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Kass Wollof and Fula	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Kass Wollof and Fula	No	1		

SOLAR WATER PUMPING SYSTEM FOR KAYAI

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	10 m ³ /hr at 35 m head to be installed in Kayai	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Kayai	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Kayai	No	1		

SOLAR WATER PUMPING SYSTEM FOR KERR JAIN, KERR NJUGARI AND KERR WALLY

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	13 m ³ /hr at 40 m head to be installed in Kerr Jain, Kerr Njugari and Kerr Wally	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Kerr Jain, Kerr Njugari and Kerr Wally	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Kerr Jain, Kerr Njugari and Kerr Wally	No	1		

SOLAR WATER PUMPING SYSTEM FOR KERR OUSMAN BUSO (KABAKATO) AND MALICK NANA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	8 m ³ /hr at 35 m head to be installed in Ker Ousman Busso (Kabakoto) and Malick Nana	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Ker Ousman Busso (Kabakoto) and Malick Nana	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Ker Ousman Busso (Kabakoto) and Malick Nana	No	1		

SOLAR WATER PUMPING SYSTEM FOR KOLIOR NYAMALA, SULA AND JALLOW KUNDA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	8 m ³ /hr at 35 m head to be installed in Kolior Nyamala, Sula and Jallow Kunda	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Kolior Nyamala, Sula and Jallow Kunda	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Kolior Nyamala, Sula and Jallow Kunda	No	1		

SOLAR WATER PUMPING SYSTEM FOR MANA KOTO FODAY AND KEITA YA CLUSTER

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	5 m3/hr at 45 m head to be installed in Mana Koto Foday and Keita Ya Cluster	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Mana Koto Foday and Keita Ya Cluster	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Mana Koto Foday and Keita Ya Cluster	No	1		

SOLAR WATER PUMPING SYSTEM FOR MANDUAR

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	8 m3/hr at 47 m head to be installed in Manduar	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Manduar	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Manduar	No	1		

SOLAR WATER PUMPING SYSTEM FOR MUREH KUNDA AND SARE WURO

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	8 m3/hr at 59 m head to be installed in Mureh Kunda and Sare Wuro	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Mureh Kunda and Sare Wuro	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Mureh Kunda and Sare Wuro	No	1		

SOLAR WATER PUMPING SYSTEM FOR NJOREM AND SANKABARI

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	7 m ³ /hr at 53 m head to be installed in Njorem and Sankabari	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Njorem and Sankabari	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Njorem and Sankabari	No	1		

SOLAR WATER PUMPING SYSTEM FOR PALLOL WOLLOF AND FULA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	11 m ³ /hr at 67 m head to be installed in Pallol Wollof and Fula	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Pallol Wollof and Fula	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Pallol Wollof and Fula	No	1		

PRICE SUMMARY FOR SOLAR WATER PUMPING SYSTEM

Item	Village Name	Cost (GMD)
1	Solar Water Pumping System in Kerr Jain, Kerr Njugari and Kerr Wally	
2	Solar Water Pumping System in Yallal Ba and Numu Kunda	
3	Solar Water Pumping System in Bambally	
4	Solar Water Pumping System in Kass Wollof and Fula	
5	Solar Water Pumping System in Pallol Wollof and Fula	
6	Solar Water Pumping System in Sandi Kunda, Busura and Sare Talata	
7	Solar Water Pumping System in Bonsa	
8	Solar Water Pumping System in Manduar	
9	Solar Water Pumping System in Kolior Nyamala, Sula and Jallow Kunda	
10	Solar Water Pumping System in Ker Ousman Busso (Kabakoto) and Malick Nana	
11	Solar Water Pumping System in Kayai	
12	Solar Water Pumping System in Njorem and Sankabari	
13	Solar Water Pumping System in Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	
14	Solar Water Pumping System in Mureh Kunda and Sare Wuro	
15	Solar Water Pumping System in Mana Koto Foday and Keita Ya Cluster	
16	Solar Water Pumping System in Bisandougou	
	GRAND TOTAL	

SOLAR WATER PUMPING SYSTEM FOR SANDI KUNDA, SARE TALATA AND BUSURA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	13 m ³ /hr at 35 m head to be installed in Sandi Kunda, Busura and Sare Talata	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Sandi Kunda, Busura and Sare Talata	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Sandi Kunda, Busura and Sare Talata	No	1		

SOLAR WATER PUMPING SYSTEM FOR SARE MODOU JAWO, SAKOLI KUNDA AND SANDI KUNDA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	5 m ³ /hr at 33 m head to be installed in Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	No	1		

SOLAR WATER PUMPING SYSTEM FOR YALLAL BA AND NUMU KUNDA

Item	Description	Unit	Quantity	Unit Cost (GMD)	Total Cost (GMD)
1	Solar Modules				
	The following solar modules in weather proof glass enclosure rated between 200 - 300Wp inclined at 15% to the horizontal incorporating water proof connection boxes and connecting cable glands erected on an in-situ concrete floor slab with concrete columns mounting with anti-theft fixings and the whole assembly able to withstand wind speed of 150km/hr and with easy access for maintenance and all sites as detailed in drawings and specifications.				
	Array of solar modules capable of pumping:				
A	10 m ³ /hr at 40 m head to be installed in Yallal Ba and Numu Kunda	No	1		
2	Module Support Structures				
	Install solar panel support structures as per technical specifications including all excavation work reinforcement and formwork required. In addition underneath the module arrays and up to 1 meter around the array surface, a 5 cm thick floor to be constructed. The panels can optionally be attached to the tank support structure in:				
A	Yallal Ba and Numu Kunda	No	1		
3	Junction boxes				
	The following in easy mounted readily accessible array junction box to satisfy the functions of decoupling, parallelling, protection and isolating complete with weather proof plastic casing and mounted in the shade of the modules with anti-theft fittings as per specifications				
	Array Junction box for Solar powered system in				
A	Yallal Ba and Numu Kunda	No	1		

2. Overhead water pumps

THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR BAMBALI

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR BISANDOU

Tank Capacity: 30 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 30 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 30 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR BONSA

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR KASS WOLLO
FULA**

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR KAYAI

Tank Capacity: 30 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 30 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 30 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR KERR JAIN, I
NJUGARI AND KERR WALLY**

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR KERR OUSN
BUSO (KABAKATO) AND MALICK NANA**

Tank Capacity: 30 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 30 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 30 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR KOLIOR NYA
SULA AND JALLOW KUNDA**

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR MANA KOTO I
AND KEITA YA CLUSTER**

Tank Capacity: 20 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 20 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 20 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR MANDUA

Tank Capacity: 20 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 20 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 20 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR MUREH KUND
SARE WURO**

Tank Capacity: 30 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 30 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 30 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR NJOREM A
SANKABARI**

Tank Capacity: 20 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 20 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 20 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR PALLOL WO
AND FULA**

Tank Capacity: 30 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 30 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 30 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

PRICE SUMMARY FOR ELEVATED WATER TANKS

Item	Village Name	Cost (GMD)
1	Elevated Aluminium Water Tank in Kerr Jain, Kerr Njugari and Kerr Wally	
2	Elevated Aluminium Water Tank in Yallal Ba and Numu Kunda	
3	Elevated Aluminium Water Tank in Bambally	
4	Elevated Aluminium Water Tank in Kass Wollof and Fula	
5	Elevated Aluminium Water Tank in Pallol Wollof and Fula	
6	Elevated Aluminium Water Tank in Sandi Kunda, Busura and Sare Talata	
7	Elevated Aluminium Water Tank in Bonsa	
8	Elevated Aluminium Water Tank in Manduar	
9	Elevated Aluminium Water Tank in Kolior Nyamala, Sula and Jallow Kunda	
10	Elevated Aluminium Water Tank in Ker Ousman Busso (Kabakoto) and Malick Nana	
11	Elevated Aluminium Water Tank in Kayai	
12	Elevated Aluminium Water Tank in Njorem and Sankabari	
13	Elevated Aluminium Water Tank in Sare Modou Jawo, Sakoli Kunda and Sandi Kunda	
14	Elevated Aluminium Water Tank in Mureh Kunda and Sare Wuro	
15	Elevated Aluminium Water Tank in Mana Koto Foday and Keita Ya Cluster	
16	Elevated Aluminium Water Tank in Bisandougou	
	GRAND TOTAL	

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR SANDI KUNDA
TALATA AND BUSURA**

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR SARE MODOU
SAKOLI KUNDA AND SANDI KUNDA**

Tank Capacity: 20 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 20 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 20 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

**THE WORKS ARE FOR THE SUPPLY AND INSTALLATION OF ELEVATED ALLUMINIUM TANK FOR YALLAL BA
NUMU KUNDA**

Tank Capacity: 40 m3

Description	Units	Quantity	Unit Cost (GMD)	Total Cost (GMD)
Elevated Water tank of 40 M3 Capacity and Tower Hight of 6M Including Material for Civil and Installation -Bolted Aluminum Tank of 40 m3 capacity -Reinforced PVC Liner, Food grade quality -Mat protection Between shell and liner -Internal Ladder in composite PVC, food grade -Galvanized steel pipe works arrangement 3'' -U-PVC pipe works arrangement 2'' for drain and over flow water level indicator	No	1		
Transport cost -Civil Works - Installation Cost	LS	1		
TOTAL				

3. h

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:

Delivery Term [INCOTERMS 2020] (Pls. link this to price schedule)	DAP
Exact Address of Delivery/Installation Location	Central River Region/Gambia
Warranty Period	One year (12 months)
After-sale services Requirements	☒ Warranty on Parts and Labor for minimum period of 12 months
Payment Terms (max. advanced payment is 20% as per UNDP policy)	100% within 30 days upon UNDP's acceptance of the goods delivered as specified and receipt of invoice
Conditions for Release of Payment	☒ Others Upon certification by the receiving entity

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	☐
▪ Form B: Bidder Information Form	☐
▪ Form C: Joint Venture/Consortium/ Association Information Form	☐
▪ Form D: Qualification Form	☐
▪ Form E: Format of Technical Bid/Bill of Quantities	☐
▪ Form G: Form of Bid Security	
▪ [Add other forms as necessary]	☐
Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?	☐

Price Schedule:

▪ Form F: Price Schedule Form	☐
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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 [Insert Title of goods and services] in accordance with your Invitation to Bid No. [Insert ITB Reference Number] 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?	☐ Yes ☐ No If yes, [insert UGNM vendor number]
Are you a UNDP vendor?	☐ Yes ☐ 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 contact for requests for clarifications during Bid evaluation	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
Please attach the following documents:	- 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
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ITB reference:	[Insert ITB Reference Number]
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If JV/Consortium/Association, to be completed by each partner.

History of Non- Performing Contracts

☐ Non-performing contracts did not occur during the last 3 years

☐ 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)

☐ No litigation history for the last 3 years

☐ 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 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:

- a) Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
- b) Historic financial statements must be audited by a certified public accountant;
- c) 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.

Note to UNDP: Under the Column "a", please list items from Section 5a. Related services and requirements such as installation, training and after-sales should also be listed as required.

Goods and services to be Supplied and Technical Specifications	Your response			
	Compliance with technical specifications		Delivery Date	Comments
	Yes, we comply	No, we cannot comply (indicate discrepancies)	(confirm that you comply or indicate your delivery date)	

See technical specification in section 5a above					
Installation, training and after-sales					

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			

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	<i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i> [Insert]
Professional certifications	<i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert]
Employment Record/Experience	<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> [Insert]
References	<i>[Provide names, addresses, phone and email contact information for two (2) references]</i>

	Reference 1: [Insert]
	Reference 2: [Insert]

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

Please use the template of the bill of quantity (BoQ) in section 5 above

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] [insert: address and email address]