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INVITATION TO BID

Supply and Installation of Automated Weather Station Sensors

ITB No.: ITB/FJI-03-2018

Project: RESPAC

Country: Fiji

Issued on: 27 November 2018

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Section 1. Letter of Invitation

The United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) 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
 - Form A: Bid Submission Form
 - Form B: Bidder Information Form
 - Form C: Joint Venture/Consortium/Association Information Form
 - Form D: Qualification Form
 - Form E: Format of Technical Bid
 - Form F: Price Schedule
 - Form G: Form of Bid Security

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

Please acknowledge receipt of this ITB by sending an email to procurement.fj@undp.org, indicating whether you intend to submit a Bid or otherwise. 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.



Name: Ronald Kumar
Title: Procurement Analyst
Date: **November 25, 2018**

Section 2. Instruction to Bidders

GENERAL PROVISIONS	
1. Introduction	<p>1.1 Bidders shall adhere to all the requirements of this ITB, including any amendments made in writing by UNDP. This ITB is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement which can be accessed at https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</p> <p>1.2 Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.</p> <p>1.3 UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p> <p>1.4 As part of the bid, it is desired that the Bidder registers at the United Nations Global Marketplace (UNGM) website (www.ungm.org). The Bidder may still submit a bid even if not registered with the UNGM. However, if the Bidder is selected for contract award, the Bidder must register on the UNGM prior to contract signature.</p>
2. Fraud & Corruption, Gifts and Hospitality	<p>2.1 UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti</p> <p>2.2 Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches or dinners.</p> <p>2.3 In pursuance of this policy, UNDP:</p> <p>(a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question;</p> <p>(b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p> <p>2.4 All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at http://www.un.org/depts/ptd/pdf/conduct_english.pdf</p>
3. Eligibility	<p>3.1 A vendor should not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by</p>

	<p>these organizations.</p> <p>3.2 It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p>
4. Conflict of Interests	<p>4.1 Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they:</p> <ul style="list-style-type: none"> a) Are or have been associated in the past, with a firm or any of its affiliates which have been engaged by UNDP to provide services for the preparation of the design, specifications, Terms of Reference, cost analysis/estimation, and other documents to be used for the procurement of the goods and services in this selection process; b) Were involved in the preparation and/or design of the programme/project related to the goods and/or services requested under this ITB; or c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP. <p>4.2 In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to UNDP, and seek UNDP's confirmation on whether or not such conflict exists.</p> <p>4.3 Similarly, the Bidders must disclose in their Bid their knowledge of the following:</p> <ul style="list-style-type: none"> a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this ITB; and b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices. <p>Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.</p> <p>4.4 The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p>
B. PREPARATION OF BIDS	
5. General Considerations	<p>5.1 In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in rejection of the Bid.</p> <p>5.2 The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must notify the UNDP accordingly.</p>

6. Cost of Preparation of Bid	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: <ul style="list-style-type: none"> a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid.
9. Documents Establishing the Eligibility and Qualifications of the Bidder	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.

	<p>12.3 If the Bid Security amount or its validity period is found to be less than what is required by UNDP, UNDP shall reject the Bid.</p> <p>12.4 In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS.</p> <p>12.5 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <ul style="list-style-type: none"> a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: <ul style="list-style-type: none"> i. to sign the Contract after UNDP has issued an award; or ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.
13. Currencies	<p>13.1 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids:</p> <ul style="list-style-type: none"> a) UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bids; and b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.
14. Joint Venture, Consortium or Association	<p>14.1 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture.</p> <p>14.2 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP.</p> <p>14.3 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.</p> <p>14.4 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by UNDP.</p> <p>14.5 A JV, Consortium or Association in presenting its track record and experience</p>

	<p>should clearly differentiate between:</p> <ul style="list-style-type: none"> a) Those that were undertaken together by the JV, Consortium or Association; and b) Those that were undertaken by the individual entities of the JV, Consortium or Association. <p>14.6 Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials</p> <p>14.7 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.</p>
15. Only One Bid	<p>15.1 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.</p> <p>15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this ITB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process; e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
16. Bid Validity Period	<p>16.1 Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive.</p> <p>16.2 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.</p>
17. Extension of Bid Validity Period	<p>17.1 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered integral to the Bid.</p> <p>17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.</p> <p>17.3 The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.</p>

18. Clarification of Bid (from the Bidders)	<p>18.1 Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no obligation to respond or confirm that the query was officially received.</p> <p>18.2 UNDP will provide the responses to clarifications through the method specified in the BDS.</p> <p>18.3 UNDP shall endeavour to provide responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bids, unless UNDP deems that such an extension is justified and necessary.</p>
19. Amendment of Bids	<p>19.1 At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders.</p> <p>19.2 If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.</p>
20. Alternative Bids	<p>20.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative Bid.</p> <p>20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"</p>
21. Pre-Bid Conference	<p>21.1 When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.</p>

C. SUBMISSION AND OPENING OF BIDS

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

	submission of Bids.
24. Withdrawal, Substitution, and Modification of Bids	<p>24.1 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission.</p> <p>24.2 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to UNDP, duly signed by an authorized representative, and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as "WITHDRAWAL" "SUBSTITUTION," or "MODIFICATION"</p> <p>24.3 eTendering: A Bidder may withdraw, substitute or modify its Bid by Cancelling, Editing, and re-submitting the Bid directly in the system. It is the responsibility of the Bidder to properly follow the system instructions, duly edit and submit a substitution or modification of the Bid as needed. Detailed instructions on how to cancel or modify a Bid directly in the system are provided in the Bidder User Guide and Instructional videos.</p> <p>24.4 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.</p>
25. Bid Opening	<p>25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.</p> <p>25.2 The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submissions, in which case, the Bid shall be returned unopened to the Bidders.</p> <p>25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.</p>
D. EVALUATION OF BIDS	
26. Confidentiality	<p>26.1 Information relating to the examination, evaluation, and comparison of Bids, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award.</p> <p>26.2 Any effort by a Bidder or anyone on behalf of the Bidder to influence UNDP in the examination, evaluation and comparison of the Bids or contract award decisions may, at UNDP's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing UNDP's vendor sanctions procedures.</p>
27. Evaluation of Bids	<p>27.1 UNDP will conduct the evaluation solely on the basis of the Bids received.</p> <p>27.2 Evaluation of Bids shall be undertaken in the following steps:</p> <ul style="list-style-type: none"> a) Preliminary Examination including Eligibility b) Arithmetical check and ranking of bidders who passed preliminary examination by price. c) Qualification assessment (if pre-qualification was not done)

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

	<p>works, as deemed necessary;</p> <p>e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder;</p> <p>f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.</p>
32. Clarification of Bids	<p>32.1 To assist in the examination, evaluation and comparison of Bids, UNDP may, at its discretion, request any Bidder for a clarification of its Bid.</p> <p>32.2 UNDP's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bids, in accordance with the ITB.</p> <p>32.3 Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bids.</p>
33. Responsiveness of Bid	<p>33.1 UNDP's determination of a Bid's responsiveness will be based on the contents of the bid itself. A substantially responsive Bid is one that conforms to all the terms, conditions, specifications and other requirements of the ITB without material deviation, reservation, or omission.</p> <p>33.2 If a bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.</p>
34. Nonconformities, Reparable Errors and Omissions	<p>34.1 Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation.</p> <p>34.2 UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p> <p>34.3 For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows:</p> <p>a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected;</p> <p>b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and</p> <p>c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail.</p> <p>34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall</p>

	be rejected.
E. AWARD OF CONTRACT	
35. Right to Accept, Reject, Any or All Bids	35.1 UNDP reserves the right to accept or reject any bid, to render any or all of the bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. UNDP shall not be obliged to award the contract to the lowest priced offer.
36. Award Criteria	36.1 Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price.
37. Debriefing	37.1 In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
38. Right to Vary Requirements at the Time of Award	38.1 At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or services, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
39. Contract Signature	39.1 Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP. Failure to do so may constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security, if any, and on which event, UNDP may award the Contract to the Second highest rated or call for new Bids.
40. Contract Type and General Terms and Conditions	40.1 The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
41. Performance Security	41.1 A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
42. Bank Guarantee for Advanced Payment	42.1 Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at

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

Section 3. Bid Data Sheet

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

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Not Allowed
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid conference	<p>Will be Conducted Time: 3pm (Fiji Time) Date : December 3, 2018 11:00 AM Venue : UNDP Pacific Office in Fiji - Conference Room</p> <p>The UNDP focal point for the arrangement is: Ronald Kumar Telephone: +679-3312500 E-mail: procurement.fj@undp.org</p> <p>Note: Attendance is not mandatory for this meeting but optional. A maximum of 2 staff per company may attend this meeting. If bidders wish to attend then they should send an email indicating preferred mode of attendance (virtual or in person), contact details and names of people attending the meeting.</p>
5	16	Bid Validity Period	90 days
6	13	Bid Security	Not Required
7	41	Advanced Payment upon signing of contract	Not Allowed

8	42	Liquidated Damages	<p>Will be imposed as follows:</p> <p>If the supplier fails to supply the specified goods within the time period(s) stipulated by the purchase order, the UN purchasing authority shall, without prejudice to its other remedies under the purchase order, deduct from the purchase order price, as liquidated damages a sum equivalent to 0.2 percent of the delivered price of the delayed goods for each additional day of delay until actual delivery, up to a maximum deduction of 10 per cent of the purchase order price. Once the maximum is reached, the UN purchasing authority may consider termination of the purchase order.</p>
9	40	Performance Security	Required in the amount of USD50,000
10	12	Currency of Bid	United States Dollar
11	31	Deadline for submitting requests for clarifications/ questions	3 days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	<p>Focal Person in UNDP: Ronald Kumar</p> <p>Address: Level 8, Kadavu House, Suva, Fiji</p> <p>E-mail address: procurement.fj@undp.org</p>
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 www.pacific.undp.org
14	23	Deadline for Submission	11.59pm, 11 December 2019 (Fiji Time zone)
14	22	Allowable Manner of Submitting Bids	<input checked="" type="checkbox"/> Submission by email
15	22	Bid Submission Address	<p>etenderbox.pacific@undp.org</p> <p>Note to Bidders Bidders should avoid attempting to send bids by email just prior to the deadline as UNDP cannot be held responsible for congestion or delays in transmission. The time of receipt of the last email message of a bid as recorded by UNDPs email server shall constitute the time of receipt of the bid for purpose of meeting the bid deadline. It is the Bidder's responsibility to ensure bids arrive before the deadline.</p>

16	22	Electronic submission	<ul style="list-style-type: none"> Format: PDF files only File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. All files must be free of viruses and not corrupted. Max. File Size per transmission: 10MB Mandatory subject of email: ITB/FJI-03-2018 (AWS Equipment) 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: Attention: Mr. Ronald Kumar, UNDP Pacific Office in Fiji, Level 8, Kadavu House, Suva. Fiji
17	25	Date, time and venue for the opening of bid	Date and Time: December 12, 2018 10:00 AM Venue: UNDP Pacific Office in Fiji Conference Room
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 17, 2018</i>
20		Maximum expected duration of contract	2 months
21	35	UNDP will award the contract to:	One Proposer Only
22	39	Type of Contract	Choose an item. http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
23	39	UNDP Contract Terms and Conditions that will apply	Choose an item. http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24		Other Information Related to the ITB	

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	<ul style="list-style-type: none"> ▪ Duly authorized to act as Agent on behalf of the Manufacturer, or Power of Attorney, if bidder is not a manufacturer ▪ Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder ▪ Export/Import Licenses, if applicable 	Form B: Bidder Information Form
QUALIFICATION		
History of Non-Performing	Non-performance of a contract did not occur as a result of contractor default for the last 3 years.	Form D: Qualification Form

Contracts¹		
Litigation History	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
Previous Experience	Bidders should have minimum 5 years of relevant experience including supply and installation.	Form D: Qualification Form
	The personnel (s) managing this project proposed by the bidder should have minimum 2 years of experience in similar field/work.	
	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 USD500,000 for the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
Technical Evaluation	The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document.	Form E: Technical Bid Form
Financial Evaluation	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) Comparison with budget/internal estimates.	Form F: Price Schedule Form

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

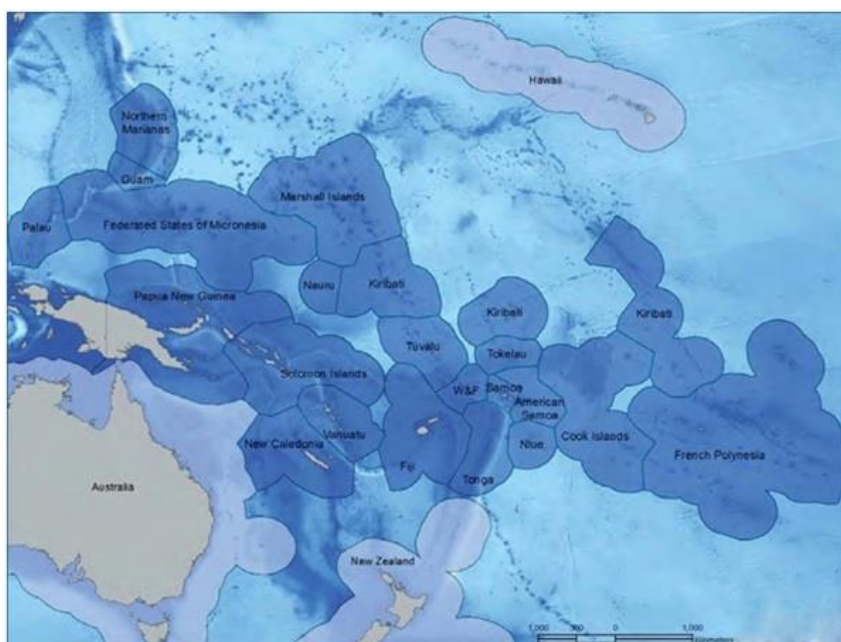
Section 5a: Schedule of Requirements and Technical Specifications



Improving Climate Reporting through investment in Automated Weather Stations (AWS) in selected Pacific Islands

Background

The Pacific Ocean is the largest ocean in the world and covers an area of approximately 155 million km² or roughly 28% of the earth's surface. According to Briney A², the size of the Pacific Ocean is equivalent to the total land surface area in the world and therefore plays a significant role in global weather patterns and economy. The El-Nino and La-Nina for example are a weather phenomenon associated with ENSO³ cycle which germinates in the Pacific Ocean and significantly alters rainfall patterns around the world. In terms of climate vulnerability, the South-Western part of the Pacific Ocean is home to 21 mostly Small Island Developing States (PSIDS).



Disclaimer: This map is indicative only of agreed and potential maritime jurisdictional limits within the Pacific region. (Adapted from: Pacific Islands Meteorological Strategy 2017–2026, with permission of SPREP)

With an objective of assisting PSIDS address issues of climate vulnerability and disaster resilience, UNDP through the **RESPAC project**,⁴ focuses on the well-being of citizens of the PSIDS and their ability to live with dignity, despite frequent exposure to natural disasters induced by climate and weather. It is noted that in addition to climate induced events, such as extreme rainfall or alternatively dry weather spells, cyclones and storm surges, PSIDS are also encircled within the Pacific Rim of Fire and therefore vulnerable to earthquakes. Earthquakes frequently occur in the ocean depths thus exposing the PSIDS population to the threat of Tsunamis.

The India Government supported **“Climate Early Warning Systems in the PICs”**³ is a similar project which is

² <https://www.thoughtco.com/geography-of-the-pacific-ocean-1435537>

³ El Niño–Southern Oscillation

⁴ **The RESPAC project, funded entirely through the Government of Russia**, aims to improve disaster resilience of the participating SIDS through 3 inter-related outputs; i) Strengthening of early warning capacity and use of climate data as a safeguard against climate related natural disasters; ii) Improving pre-disaster preparedness and post disaster early recovery programmes, iii) Improving financial flows to support post disaster needs and supporting innovative private sector driven insurance to support disaster affected communities. **The India funded Climate Early Warning project focuses on:** i) strengthening early warning and disaster risk human resources capacities of national meteorology and hydrology services, and ii) strengthening early warning and disaster risk technical capacities of national meteorology and hydrology services

supporting development of Climate Early Warning systems (India CLEWS) in the Pacific region. Due to potential overlap of objectives, it has been determined that the India project will mainly support **Hydrology related areas** whereas RESPAC will focus on Meteorology. As Hydrology and Meteorology have similar characteristics, particularly with the relationship between ground water hydrology and rainfall, every effort will be taken to optimise the synergies of both projects.

Purpose

The purpose of this Terms of Reference is to provide details for the procurement of a variety of **Automated Weather Systems (AWS)** for selected PSIDS, as part of the broader objective to build resilience against adverse weather and climate events. Conceptually the linkage between the procurement of these AWS equipment to RESPAC and ICLEWS project's objectives is built on the foundation that PSIDS must immediately improve their capacity to collect and analyze climate data and where possible utilize modern and automated systems to assist data collection related to the different climate variables, for e.g. Rainfall/Precipitation, Humidity, Sunshine, Temperature, Wind Speed and Direction and Atmospheric Pressure.

Given that over recent years many National Meteorological and Hydrological Services (**NMHS**) in the Pacific Region have already received and installed networks of AWSs, albeit as part of other Donors such as World Bank, ADB, WMO etc and mainly through UNDP using Global Environment Facility (GEF) funded projects such as SIWSAP in Solomon Islands, VCAP in Vanuatu and Food Security LDCF Project in Kiribati, there is a genuine concern that some stringent measures be applied to ensure homogeneity in measurement systems and data collection systems and that any significant deviation from the standard template should be avoided. The WMO Commission on Instruments and Methods of Observation (CIMO) in its 12 session in 1998 further recommends that ***"NMHS should only introduce into service those systems that are sufficiently well documented so as to provide adequate knowledge and understanding of their capabilities, characteristics and algorithms used"*** A simple interpretation of this guidance note would indicate that NMHS would procure equipment that they are familiar with and for which they have an in-house experience, developed maintenance and fault-fixing capacity, as well as ensuring that their data is collected in a regionally uniform or homogenous manner.

As mentioned above, Met Offices must be looking at the overall performance of their networks and as much as possible stick to an approved template. Hence when procuring equipment for the expansion of Automated Weather Observing Stations (AWOS) or networks, standardization of hardware associated with existing Automated Weather Systems⁵ is a key component that has to be addressed. A list of existing models and equipment which are prevalent in the respective countries and familiar to NMHSs in the Pacific (refer to Table 4) are provided. These models are examples of current standard equipment however bidders may propose other models that will meet or exceed these specifications but not in shape or form comprise the overall performance and integrity of the AWS or standardization goals.

Scope of Work

- Equipment Supply

The successful bidder will be required to supply components for 20 hydro/Climate AWS and 14 Aviation capable AWS, for use in 8 Pacific Island States. The majority of installations will be in the Solomon Islands (13) followed by Kiribati (7) and PNG (5). Tuvalu (3), Tokelau (2), Nauru (2) Niue (1), and Vanuatu (1) make up the other countries where the installations will take place

- Equipment Installation

The installation process will be primarily managed by the beneficiary NMHS, with technical support and guidance provided by the successful bidder. Table 3 proposes the number of weeks required for each in-country support mission. Depending on an individual country needs, the mission can be completed under one mission, or for

⁵ Refer to WMO Guide 8 Part II Chapter 1 – Observing Systems

more complex installations, there might be a requirement for two separate missions. Bidders are encouraged to use Table 3 to develop a cost estimation. The successful bidder will be required to work at the NHMS Headquarters, normally located in the capital city. If there is a need to visit outer island or remote locations, this will be managed by the NMHS.

- Equipment Training

Initial equipment training will take place once the AWS components have been delivered to the countries. A more in-depth training focusing on station calibration and maintenance will take place after a few months following initial installation.

Type of AWS and Country Requirements

Table 1 below provides an analysis of the different purpose for AWS currently used by various NMHSs across the Pacific region. These include four main categories namely; **i) Compact Agromet AWS, ii) Aviation capable AWS, iii) Hydrology (HydroMet) AWS and iv) Climate AWS.** Looking at the capabilities of each AWS type there is significant commonality within the systems and the preferred type considering price and capability, is the **Climate AWS.**

For airport installations, where the operational infrastructure is appropriate to support the measurement of lightning, visibility and cloud, these parameters could be added to the standard Climate AWS.

If the selected AWS site is close to a water source such as nearby a school or medical center, then the Hydrology or Groundwater (GW) sensors could be added to the Climate AWS to monitor groundwater level, conductivity and/or stream flow. For these stations the hydrology components could be added to the standard Climate AWS.

Table 1: AWS Types commonly used in the Pacific

Compulsory Sensors								Add On Sensors (depending on need)				
Climate	Hydrology	Aviation	Compact									
Wind Speed	Wind Speed	Wind Speed	Wind Speed									
Wind Direction	Wind Direction	Wind Direction	Wind Direction									
Temperature	Temperature	Temperature	Temperature									
Relative Humidity	Relative Humidity	Relative Humidity	Relative Humidity	Relative Humidity								
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall								
Pressure	Pressure	Pressure	Pressure	Pressure								
Solar Radiation	Solar Radiation	Solar Radiation	Solar Radiation	Solar Radiation								
Soil Moisture				Visibility Sensor	Celiometer	Lightening Detector						
Soil Temperature												
Grass Minimum												
Leaf Wetness	Groundwater Level	Groundwater conductivity	Groundwater Temperature									

Table 2 provides a list of country requirements on which the bidding process should be undertaken

Table 2: Country Requirements

	Country and Location	Type of AWS required	Additional Sensors
	Solomon Islands		
1	Hendersen International Airport Honiara	Aviation	Lightening Detection, Ceilometer and Visibility
2	Munda Airport, New Georgia Island	Aviation	Lightening Detection, Ceilometer and Visibility
3	Kirakira Airport, Makira	Aviation	Lightening Detection, Ceilometer and Visibility
4	Lavangu/Renell	Climate AWS	GroundWater – Level/Conductivity and Temperature
5	Poroporo/Choiseul	Climate AWS	GroundWater – Level/Conductivity and Temperature
6	Garanga/Isabel	Climate AWS	GroundWater – Level/Conductivity and Temperature
7	Lata/Temotu	Climate AWS	GroundWater – Level/Conductivity and Temperature
8	Newi/Temotu	Climate AWS	GroundWater – Level/Conductivity and Temperature
9	Kwai/Malaita	Climate AWS	GroundWater – Level/Conductivity and Temperature
10	Dala/Malaita	Climate AWS	GroundWater – Level/Conductivity and Temperature
11	Vonunu/West	Climate AWS	GroundWater – Level/Conductivity and Temperature
12	Ringi/West	Climate AWS	GroundWater – Level/Conductivity and Temperature
13	Mile 6/West	Climate AWS	GroundWater – Level/Conductivity and Temperature
	Kiribati		
14	Butaritari AirStrip, Butaritari Atoll	Aviation	Lightening Detection, Ceilometer and Visibility
15	Nikunao Airstrip, Nikunao Atoll	Aviation	Ceilometer and Visibility
16	Tabiteuaa Airport, Tabiteua - North	Aviation	Ceilometer and Visibility
17	Banaba Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
18	Arorae Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
19	Tabuaren Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
20	Bonriki, South Tarawa	Climate AWS	GroundWater – Level/Conductivity and Temperature
	Tuvalu		
21	Nanumea Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
22	Vaitupu Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
23	Niulakita Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
	Nauru		
24	Yaren International Airport	Aviation AWS	Lightening Detection, Ceilometer and Visibility
25	Bouda (Top Site)	Climate AWS	GroundWater – Level/Conductivity and Temperature
	Niue		
26	Hanan International Airport	Aviation	Lightening Detection, Ceilometer and Visibility
	Tokelau		
27	Atafu Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
28	Fakaofu Atoll	Climate AWS	GroundWater – Level/Conductivity and Temperature
	Vanuatu		
29	Linua Airport, Torres Island, TORBA Province	Aviation	Lightening Detection, Ceilometer and Visibility
	Papua New Guinea		
30	Tanbul AWS	Aviation	Lightening Detection, Ceilometer and Visibility
31	Misima Island AWS	Aviation	Lightening Detection, Ceilometer and Visibility
32	Aiyura AWS (NARI)	Aviation	Lightening Detection, Ceilometer and Visibility

	Country and Location	Type of AWS required	Additional Sensors
33	Siassi AWS (Por Island)	Aviation	Lightening Detection, Ceilometer and Visibility
34	Buka AWS (Not Budgetted)	Aviation	Lightening Detection, Ceilometer and Visibility

Table 3: Schedule of Technical Support required by Country

Name of Country	Number of Installations Required	Timeframe for Installation	Technical Oversight (Number of Days)		
			Initial Oversight	Follow up	Total
Solomon Islands	13	December 2018 – January 2019	1 week	1 week	2 weeks
Kiribati	7	December 2018 – January 2019	1 week	1 week	2 weeks
Tuvalu	3	December 2018 – January 2019	1 week	1 week	2 weeks
Nauru	2	December 2018 – January 2019	1 week		1 week
Niue	1	December 2018 – January 2019	1 week		1 week
Tokelau	2	December 2018 – January 2019	1 week		1 week
Vanuatu	1	December 2018 – January 2019	1 week		1 week
PNG	5	December 2018 – January 2019	2 weeks	1 week	3 weeks

Table 4: Description of Sensors and Specifications:

Variable	Instrument	Specifications	Current / Standard Models
		All instruments should be proven reliable in the adverse conditions found in many Pacific Island environments.	
Wind Speed	Anemometer	Range: 0-75m/s Resolution: 0.5m/s Measurement Uncertainty: 0.5 m/s for ≤ 5 m/s 10% for > 5 m/s Starting Threshold: 0.5m/s The windspeed and direction sensors shall be either a cup and vane mechanical sensor or an ultrasonic sensor of equivalent specification, highly accurate of a robust design requiring little ongoing maintenance.	Vector Instruments (Trading as Windspeed) Model A101M
Wind Direction	Wind Vane	0-360° Resolution: 1°	Vector Instruments

Variable	Instrument	Specifications	Current / Standard Models
		All instruments should be proven reliable in the adverse conditions found in many Pacific Island environments.	
		Measurement Uncertainty: 5°	(Trading as Windspeed) Model W200P
Air Temperature	Thermometer	<p>Temperature Range: 0 to 60°C Accuracy: 0.3°C</p> <p>The air temperature and relative humidity sensor shall be of durable, stable and low maintenance combined sensor for remote and outdoor monitoring conditions</p> <p>Air temperature and relative humidity observations should include a standard Stephenson's type radiation screen.</p>	Vaisala HMP155 –
Relative Humidity	Hygrometer	<p>This can be combined sensor with temperature measurement. Range: 0-100% Required Measurement Uncertainty: 1%</p>	Vaisala HMP155 –
Precipitation (rainfall)	Rain gauge	<p>The rain gauge shall be lightweight and have a rugged design for permanent applications. All mounting and cables shall be included with following specification:</p> <ul style="list-style-type: none"> • Tipping bucket Rain gauge • Range: 0.02mm/h – 2000mm/h • Duration: 0-24h • Built in level indicator • Tipping bucket: 0.5mm resolution. • Accuracy: 0.1mm for ≤ 5mm, 2% for > 5mm or better. • Receiver Diameter: = 200mm. • Designed to operate in corrosive environment. 	Hydrological Services TB3
Atmospheric Pressure	Barometer	<p>Measuring range: 500 – 1080 hPa (both station pressure and mean sea-level pressure) Required target uncertainty: 0.1 hPa Reporting resolution: 0.1 hPa Sensor time-constant: 20 s (Output averaging time: 1 min)</p>	Vaisala – PTB110
Solar Radiation	Pyranometer	<p>Range: 0 -3000 w/m2 Accuracy: 5% Sensitivity of 90uA per 1000W/m². Maximum deviation of 1% up to 3000W/m². Stability of < ± 2% change over a 1 year period. Response time of 10us.</p>	LiCor – LI200SA

Variable	Instrument	Specifications	Current / Standard Models
		All instruments should be proven reliable in the adverse conditions found in many Pacific Island environments.	
		High stability silicon detector. Including levelling plate.	
Soil Moisture	Soil Moisture Sensor	<ul style="list-style-type: none"> • Shall be of a type, which can operate accurately in all environmental soil conditions in which crops grow. • Shall be of sturdy construction to ensure long-term reliability in any soil. • Range: 0 to 100% volumetric water content. • Stability: $\pm 1\%$ or better. • Accuracy: $\pm 2\%$ or better. • Operating Temperature range: 0 - 50 °C • Should operate with very low power. 	Acclima – SM
Soil Temperature profile and Grass Minimum temperature.	Soil Temperature sensor and Grass Minimum Temperature	<ul style="list-style-type: none"> • Probe type thermometer for measurements at 10, 20, 50, 100 cm • Shall include mounting probe to accommodate sensors at required levels. • Accuracy $\pm 0.2^{\circ}\text{C}$ or better. • Range of -18 to $+100^{\circ}\text{C}$ or better. 	Unidata – LM34
Leaf Wetness	Leaf Wetness Sensor	<ul style="list-style-type: none"> • Enable accurate and affordable leaf wetness monitoring. • Shall be able to detect trace amount of water on the sensor surface. 	Decagon – LWSL
Lightning detection		<ul style="list-style-type: none"> • At supplier discretion 	
Visibility	Visibility Sensor	<p>Meteorological Optical Range: 10m – 100km Resolution: 1m</p> <p>The visibility sensor(s) for Runway Visual Range assessment shall include window contamination detection and compensation / correction, as well as BITs. The visibility sensor shall be ordered based on the location and required distance.</p>	
Cloud Height	Ceilometer	The ceilometer(s) shall measure cloud height with single lens technology, enabling the best possible performance at low cloud altitudes (virtually 0 m). Special attention shall be given to operation during precipitation and reliable sensor design. The ceilometer shall have capability of reporting vertical visibility and cloud coverage.	
Ground Water (GW)	GW Level	Site dependent 0 – 10m (or greater) H2O +/- 0.25% FSR	None

Variable	Instrument	Specifications	Current / Standard Models
		All instruments should be proven reliable in the adverse conditions found in many Pacific Island environments.	
Sensors	GW Conductivity	0 – 60,000 micro siemens / cm	None
	GW Temperature	0 – 50 deg c.	None
Water level sensor	Stream water level/flow	0 – 10m (or greater) H2O +/- 0.25% FSR	
Power Supply, Telemetry, and Data Integration	Data Logger	<ul style="list-style-type: none"> Must be a modern programmable datalogger that includes bi-directional Internet (IP) communications protocol to enable remote programming. Must have a minimum of 4 analog (>= 12 bit analog resolution) and multiple digital channels with capacity for further expansion; Operate with minimal power; Be of robust design suitable for installation in harsh Pacific weather conditions. Shall include > 6months local data storage of all parameters in FIFO storage with the oldest data overwritten by the newest. 	None
	Data Transmission Modem	<ul style="list-style-type: none"> Must be able to connect with cellular and/or satellite service providers. 	None
	Power-supply	<ul style="list-style-type: none"> Data logger system shall be solar operated with easy and durable recharging options. Robust battery design suitable for installation in harsh weather conditions. Should have sufficient capacity to operate for a minimum of 10 days of adverse weather conditions. 	None
	Data Integration/Ingestion	<ul style="list-style-type: none"> Most Pacific NMHSs utilize CLiDE⁶ as their primary repository for climate data. The AWS system should enable direct ingestion of data into the NHMS Clide Database. <p>(For further details see CLiDE manual V3.3 attached as Annex 1 or refer to http://www.bom.gov.au/climate/pacific/about-clide.shtml)</p>	Compatible with CLiDE
Mounting	Mast	<ul style="list-style-type: none"> The supplier may supply his own mast or provide specifications for the NMHS's to construct their own. Durability in harsh weather conditions is a vital aspect for the mast. 	None

⁶ Climate Data for Environment (CLiDE) is a database developed by the Australian Bureau of Meteorology.

Variable	Instrument	Specifications	Current / Standard Models
		All instruments should be proven reliable in the adverse conditions found in many Pacific Island environments.	
		<ul style="list-style-type: none"> The preferred mast is a tilting mast that will enable safe exchange of sensors at ground level. 	
	Data Logger Housing	<ul style="list-style-type: none"> The supplier may supply his own or provide specifications for the housing of the data logger, power supply and other AWS equipment. The enclosure must be weather proof and suitable for use in harsh Pacific environments and include protection for all cables to minimise potential for damage from vermin. 	None
	Sensor mounts	<ul style="list-style-type: none"> The supplier should provide all sensor mounting equipment or recommendations for mounting. 	

Table 5 - Data recording parameters for Sensors

PARAMETER (Accuracy)	RECORDING DURATION	FILING INTERVAL/ OUTPUT	UNITS (Resolution, on CliDE)	PROCESSING COMMENTS
Wind Speed ±0.5m/s	3 second sampling rate	10 minute 10 minute 10 minute	Metres/sec (0.1m/s) Metres/sec (0.1m/s) Metres/sec (0.1m/s)	Mean speed during preceding 10 minutes. Std Dev of 3 second speed for preceding 10 minutes. Maximum 3 second gust for preceding 10 minutes
Wind Direction (± 5 degrees)	3 second sampling rate	10 minute 10 minute 10 minute	Degrees true (1 deg) Degrees true (1 deg) Degrees true (1 deg)	Mean direction during preceding 10 minutes. Std Dev of 3 second direction for preceding 10 minutes. Direction of maximum 3 second gust for preceding 10 minutes.
Temperature (±0.2°C)	3 second sampling rate	10 minute 10 minute	Degrees Celsius (0.1°C) Degrees Celsius (0.1°C)	The mean air temperature for preceding 10 minutes. The mean air temperature for 1 minute preceding the 10 minute

PARAMETER (Accuracy)	RECORDING DURATION	FILING INTERVAL/ OUTPUT	UNITS (Resolution, on CliDE)	PROCESSING COMMENTS
		10 minute	Degrees Celsius (0.1°C)	period. The maximum and minimum 3 second temperature for preceding 10 minutes.
		10 minute	Degrees Celsius (0.1°C)	The mean earth temperatures at 10cm, 20cm, 50cm and 100cm depth for preceding 10 minutes.
Relative Humidity (±1.0%)	3 second sampling rate	10 minute	1% (0-100)	The mean for preceding 10 minutes.
Rainfall 0.1mm for ≤ 5mm, 2% for > 5mm)	Continuous	10 minute	0.5mm	10 minute totals.
Solar Radiation (±2%)	3 second sampling	10 minute	Watts/m ⁻² (0.01 MJ m ⁻²)	10 minute mean. (note logger records in watts/m-2 but data are archived on CliDE in MJ m-2)
Soil Moisture	3 second sampling	10 minute	1% (0-100%)	10 minute mean.
Leaf Wetness	3 second sampling	10 minute	0-1000mV	10 minute mean.

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:

Exact Address of Delivery/Installation Location	Solomon Islands	Mr. David Hiba Director, Solomon Islands Meteorological Services Honiara, Solomon Islands
	Kiribati	Mr. Ueneta Toorua Director Kiribati Meteorological Services Tarawa, Kiribati
	PNG	Mr. Samuel Maia Director PNG National Weather Services Port Moresby, PNG
	Tuvalu	Mr. Tauala Katea Tuvalu Meteorology Office Funafuti Office Tuvalu
	Nauru	Mr. Roy Harris Director National Emergency Management Office Nauru
	Tokelau	Mr. Mikaele Perez- Faatia Director
	Niue	Ms. Rosy Mitiepo Director Niue Meteorology
	Vanuatu	Ms. Ersline Garaebiti Director Vanuatu Meteorology and Geo Hazards Division Port Vila Vanuatu
Inspection upon delivery	Inspection will be carried out at the respective NMHS who in turn will advise RESPAC project manager	

Installation Requirements	Installation will be carried at by the respective NMHS however with technical support and guidance by the successful bidder
Testing Requirements	On site testing to be done upon installation. Further testing will be carried out over a 12 – 24 month period in compliance with WMO requirements.
Scope of Training on Operation and Maintenance	This will be announced later once a full list of technicians from the 8 countries have been identified
Warranty Period	Min 36 months
Technical Support Requirements	Required and supplier to indicate
After-sale services Requirements	<input checked="" type="checkbox"/> Warranty on Parts and Labor for minimum period of 36 months <input checked="" type="checkbox"/> Technical Support
Payment Terms	No advance payment shall be provided. However if the scope requires for such payment then this shall be approved by UNDP. All other payments to be made within 30 days upon submission of invoice and certification that work was completed.
Conditions for Release of Payment	<input checked="" type="checkbox"/> Inspection upon arrival at destination <input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Training on Operation and Maintenance <input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements
All documentations, including catalogues, instructions and operating manuals, shall be in this language	English

Section 6: Returnable Bidding Forms / Checklist

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

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

Technical Bid:

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

Price Schedule:

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

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

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

contact for requests for clarifications during Bid evaluation	Telephone numbers: [Complete] Email: [Complete]
Please attach the following documents:	<ul style="list-style-type: none"> ▪ Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured ▪ Certificate of Incorporation/ Business Registration ▪ Tax Registration/Payment Certificate issued by the Internal Revenue Authority evidencing that the Bidder is updated with its tax payment obligations, or Certificate of Tax exemption, if any such privilege is enjoyed by the Bidder ▪ Trade name registration papers, if applicable ▪ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any ▪ Environmental Compliance Certificates, Accreditations, Markings/Labels, and other evidences of the Bidder's practices which contributes to the ecological sustainability and reduction of adverse environmental impact (e.g., use of non-toxic substances, recycled raw materials, energy-efficient equipment, reduced carbon emission, etc.), either in its business practices or in the goods it manufactures ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder ▪ Certification or authorization to act as Agent on behalf of the Manufacturer, or Power of Attorney. ▪ Export Licenses, if applicable ▪ Local Government permit to locate and operate in assignment location, if applicable ▪ Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country

Form C: Joint Venture/Consortium/Association Information Form

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

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

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

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

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

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

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Form D: Eligibility and Qualification Form

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

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

History of Non- Performing Contracts

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

Litigation History (including pending litigation)

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

Previous Relevant Experience

Please list only previous similar assignments successfully completed in the last 5 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 (Emails Address)	Contract Value	Period of activity and status	Types of activities undertaken

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

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

Financial Standing

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

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

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

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

Form E: Format of Technical Bid

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

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

SECTION 1: Bidder's qualification, capacity and expertise

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

SECTION 2: Scope of Supply, Technical Specifications, and Related Services

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

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

Country	Goods and services to be Supplied and Technical Specifications	Compliance with technical specifications		Delivery Date <i>(confirm that you comply or indicate your delivery date)</i>	Comments
		Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>		
Solomon Is	Lightening Detection, Ceilometer and Visibility				
	GroundWater – Level/Conductivity and Temperature				
Kiribati	Lightening Detection, Ceilometer and Visibility				
	GroundWater – Level/Conductivity and Temperature				
	Ceilometer and Visibility				
Tuvalu	GroundWater – Level/Conductivity and Temperature				
Nauru	GroundWater – Level/Conductivity and Temperature				
	Lightening Detection, Ceilometer and Visibility				
Niue	Lightening Detection, Ceilometer and Visibility				
Tokelau	GroundWater – Level/Conductivity and Temperature				
Vanuatu	Lightening Detection, Ceilometer and Visibility				
PNG	Lightening Detection, Ceilometer and Visibility				

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

SECTION 3: Management Structure and Key Personnel

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

Format for CV of Proposed Key Personnel

Name of Personnel	[Insert]
Position for this assignment	[Insert]
Nationality	[Insert]
Language proficiency	[Insert]
Education/ Qualifications	<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> <ul style="list-style-type: none">▪ 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:	ITB/FJI-03-18		

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: USD

Price Schedule

Country	Description	UOM	Qty	Unit Price	Total Price (a)	DAP Cost (b)
Solomon Is	Lightening Detection, Ceilometer and Visibility	ea	3			
	GroundWater – Level/Conductivity and Temperature	ea	10			
Kiribati	Lightening Detection, Ceilometer and Visibility	ea	1			
	Ceilometer and Visibility	ea	2			
	GroundWater – Level/Conductivity and Temperature	ea	4			
Tuvalu	GroundWater – Level/Conductivity and Temperature	ea	3			
Nauru	Lightening Detection, Ceilometer and Visibility	ea	1			
	GroundWater – Level/Conductivity and Temperature	ea	1			
Niue	Lightening Detection, Ceilometer and Visibility	ea	1			
Tokelau	GroundWater – Level/Conductivity and Temperature	ea	2			
Vanuatu	Lightening Detection, Ceilometer and Visibility	ea	1			

PNG	Lightening Detection, Ceilometer and Visibility	ea	5			
Transportation/Delivery Cost						
Installation						
Training						
Warranty						
After Sales						
GRAND TOTAL						

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]