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INVITATION TO BID

Supply, Delivery, and Installation of a Secured High Frequency (HF) Voice and Data Communication System in Maguindanao and Manila, Philippines

ITB No.: ITB/117/PHL/2019

Project: Support to Peacebuilding and Normalization (SPAN) and Assistance to Normalization (JPN Norm)

Country: Philippines

Issued on: 17 September 2019

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Section 1. Letter of Invitation

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

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

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

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

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

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

Issued by

Approved by:

Name: Kristel Aberilla
Title: Procurement Associate
Date: **September 17, 2019**

Name: Alka Aneja
Title: Procurement Specialist
Date: **September 17, 2019**

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 style="margin-left: 20px;">(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 style="margin-left: 20px;">(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>
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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.
<p>13. Currencies</p>	<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.
<p>14. Joint Venture, Consortium or Association</p>	<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 15 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>
<p>15. Only One Bid</p>	<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.
<p>16. Bid Validity Period</p>	<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>
<p>17. Extension of Bid Validity Period</p>	<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>

<p>18. Clarification of Bid (from the Bidders)</p>	<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>
<p>19. Amendment of Bids</p>	<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>
<p>20. Alternative Bids</p>	<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>
<p>21. Pre-Bid Conference</p>	<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

<p>22. Submission</p>	<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>
<p>Hard copy (manual) submission</p>	<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>
<p>Email and eTendering submissions</p>	<p>22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows:</p> <p>a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS;</p> <p>b) Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions in BDS.</p> <p>22.6 Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/</p>
<p>23. Deadline for Submission of Bids and Late Bids</p>	<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> <ol 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, Repairable 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

	<p>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</p>
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	Will not be conducted
5	16	Bid Validity Period	90 days
6	13	Bid Security	Not Required
7	41	Advanced Payment upon signing of contract	Allowed up to a maximum of 20% of contract value or the amount of USD 30,000, whichever is lower.
8	42	Liquidated Damages	Will not be imposed
9	40	Performance Security	Not Required
10	12	Currency of Bid	United States Dollar OR Local Currency – Philippine Pesos
11	31	Deadline for submitting requests for clarifications/ questions	3 days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	Focal Person in UNDP: Kristel Aberilla E-mail address: procurement.ph@undp.org

13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Posted directly to eTendering
14	23	Deadline for Submission	October 4, 2019 at 6:00 PM Manila Time Note that system time zone in eTendering system is in EST/EDT (New York) time zone.
14	22	Allowable Manner of Submitting Bids	<input checked="" type="checkbox"/> e-Tendering
15	22	Bid Submission Address	For eTendering method, keep link below and insert Event ID information https://etendering.partneragencies.org Insert BU Code: PHL10 Event ID number: 0000004387
16	22	Electronic submission (email or eTendering) requirements	<ul style="list-style-type: none"> ▪ Format: PDF files only ▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. ▪ All files must be free of viruses and not corrupted. ▪ Max. Size per File : 5 MB
17	25	Date, time and venue for the opening of bid	Not applicable
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>October 28, 2019</i>
20		Maximum expected duration of contract	3 months
21	35	UNDP will award the contract to:	One Proposer Only
22	39	Type of Contract	Purchase Order http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html

23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Contracts http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24		Other Information Related to the ITB	

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:

- Minimum Bid documents provided
- Bid Validity
- Legal registration

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 ▪ Local Government permit to locate and operate in assignment location, if applicable ▪ Audited financial statements for the last three (3) years (Income Statement and Balance Sheet), including Auditor's Report. UNDP will check the financial accounts to compute the quick ratio (QR). 	Form B: Bidder Information Form

	<p>Quick ratio tests the company's financial strength and liquidity by calculating a company's financial strength and liquidity by calculating a company's liquid assets in proportion to its liabilities. If Quick ratio is less than 1, UNDP may verify financial capacity of the bidder and may seek references from concerned parties and banks on the bidder's financial standing. UNDP may reject any bid if submitted by a contractor if investigation leads to a result that it is not financially capable and/or has serious financial problems.</p> <ul style="list-style-type: none"> ▪ 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 ▪ Export/Import Licenses, if applicable 	
QUALIFICATION		
History of Non-Performing Contracts¹	Non-performance of a contract did not occur as a result of contractor default for the last 3 years.	Form D: Qualification Form
Litigation History	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
Previous experience for Firm	<p>Minimum two contracts of similar nature in the last 5 years.</p> <p>Each Contract shall clearly indicate the type and quantities of items and technical specifications, name of client/firm, contact details, contract amount and duration. Copies of relevant pages of the contract must be provided. UNDP may conduct reference checks with previous clients.</p> <p><i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i></p>	Form E: Technical Bid Form
Previous experience for Proposed team	<p>Minimum three CVs of following resources meeting the requirement-</p> <ul style="list-style-type: none"> -1 licensed Electrical Communications Engineer with at least 3 years of related experience -1 Frequency Manager with minimum 3 years' experience -At least 1 Technician/Rigger with minimum 2 years' experience 	Form E: Technical Bid 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.

	Proposed team for this project must have the relevant technical qualifications necessary to be able to perform the task and having all the required installation tools and radio communication test equipment to carry out the technical work and assessment as required by the project.	
TECHNICAL EVALUATION		
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
	Provision of local service center for technical support	Form E: Technical Bid Form
FINANCIAL EVALUATION		
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, registration, etc., where applicable)	Form F: Price Schedule Form

Section 5a: Schedule of Requirements and Minimum Technical Specifications

SCOPE OF WORK

A. BACKGROUND

A key document that forms part of the Comprehensive Agreement on the Bangsamoro is the Annex on Normalization signed on 25 January 2014 between the Government of the Philippines (GPH) and the Moro Islamic Liberation Front (MILF). Normalization was defined in the document as *“the process whereby communities can achieve their desired quality of life, which includes the pursuit of sustainable livelihood and political participation within a peaceful, deliberative society”*. Normalization includes the entire phase prior to the establishment of the Bangsamoro government to allow combatants and conflict-affected areas to transition and transform into productive citizens and peaceful communities. It covers components on security, socioeconomic development, transitional justice and reconciliation, and confidence-building measures.

One of the dimensions of the Normalization program, under the Security component, is the establishment of transitional mechanisms that shall ensure effective security collaboration during the transition stage. Among these mechanisms is the Joint Peace and Security Teams (JPSTs). JPSTs are 30-man operating units composed of contingents from the Armed Forces of the Philippines (AFP), the Philippine National Police (PNP), and MILF’s Bangsamoro Islamic Armed Forces (BIAF), which will work for the maintenance of peace and order and the stability of the areas mutually identified by the GPH and MILF.

Part of the operationalization of the JPSTs is the establishment of a high frequency voice and data communications system that can provide great coverage to keep in touch the JPST units on the ground, with the JPSC/JPST Operations Center in Cotabato City as the coordination center that will process and integrate reports on the security situation of different JPST sites.

The establishment of the JPST communications system will be funded and implemented by the UNDP in partnership with the Government of the Philippines, through the project “Support to Peacebuilding and Normalization” (SPAN) program, and in partnership with the Government of Japan, through the project “Assistance to Normalization”.

B. SPECIFIC OBJECTIVES

With the establishment of a high frequency voice and data communications system for the Joint Peace and Security Teams (JPSTs), the project aims to ensure the receipt and dispatchment of sensible information from various JPST stations to the JPST/JPC Operations Center and vice-versa. This system is distinct from services (2G/3G/4G and LTE) provided by commercial telecommunications companies/agencies. This type of communication system shall use various communications equipment such as radio transceivers, UHF (hand held) radios, HF to UHF cross band, antennas, computers and miscellaneous hardware (accessories).

C. SCOPE OF WORKS

The service provider will supply, deliver, and install the HF Voice and Data Communications System of the JPSTs, based on the specifications provided by the Office of the Presidential Adviser on the Peace Process (OPAPP) and Joint Peace and Security Committee (JPSC) (see attached Annexes). The service provider will also conduct training in Maguindanao on the use of the Communications System.

Three (3) radio sets will be installed in following:

- **JPSC Operations Center - DPWH-RES Compound, MINTEX (Mindanao Textile Corporation), Datu Odin Sinsuat, Maguindanao**
- **Camp Rafael Crame (PNP)- EDSA, Quezon City, 1111 Metro Manila**
- **Camp Aguinaldo (AFP) - EDSA, Quezon City, 1100 Metro Manila**

Listed below are the specific duties and responsibilities of the service provider:

1. Installation, commissioning, configuration and testing of the HF Voice and Data Communications thru HF Single Sideband (SSB-Voice) and Data Communications (Factor 4 minimum) to the whole area of operations up to the OpCen and vice-versa
2. Installation, commissioning, configuration and testing of UHF portable radios including antennas.
3. Conduct Communications frequency estimate and program radios for Automatic Link Establishment (ALE)
4. Installation of communications tower to house antennas for HF and UHF
5. Ensure correct matching of antenna and frequency at all times to maintain connectivity. Determine proper antenna design and install and test operations using actual data transfer.
6. Installation of proper grounding to protect electronics equipment from power surges and lightning
7. Interface radios to laptop PCs and installation of necessary software to run the HF email and data-communications
8. Test connectivity of all radios and program required frequencies
9. Check for redundant and seamless failover of power supply in case of electrical failures and brownouts, up to 4 hours operation/ autonomy
10. Supply, delivery, configuration and installation of network equipment
11. Perform frequency and spectrum assessment and analysis to determine interference and optimum operation of the radio set/system using industry accepted tools and software.
12. Provide a frequency manager with actual experience of the Mindanao set up frequencies for HF/V/UHF allocation with the approval of National Telecommunications Commission (NTC). A proper review of HF Terrain Analysis and Maximum Useable Frequencies (MUF) for HF for the whole year is required for voice and data-communications. A primary, secondary and admin frequencies for all bands is a must.
13. Setup HF email server and connectivity to commercial emails.
14. Provide and install data back-ups with RAID minimum.
15. Provide free Radio Operations and Basic Maintenance trainings to the Security Unit personnel and JPSTs deployed to the OpCen in Maguindanao (inclusive of resource person/speaker and materials).
16. Free consultation and facilitation of radio licensing application/NTC permits.

D. WORKS REQUIRED

1. Using a special calculation software, provide assessment of the HF/ V/ UHF system using approved industry tools and software for inspection, testing and monitoring of the effectiveness and coverage of the HF radio and voice data communication system even after commissioning until the operations center cease to operate. The report shall be furnished to the concerned office.
2. Conduct HF/ V/ UHF Circuit reliability analysis, couple with estimated area coverage of the location. The installed antenna must be optimum and exhibit lowest minimum SWR of 1:1.5 on operating frequencies. The coaxial cable must be ultra-low loss with suitable connectors.
3. The office requires state-of-the art technology from the vendor with due consideration to security, scalability, openness and interoperability, interconnectivity, high degree of performance, maintainability and cost-effectiveness of the HF radio and data communication set/system. The additional components that are not specified in the specs provided as well as the implied works that are not specified under scope of work that are vital to the maximum and effective operationalization of the communication system must be provided by the vendor.
4. All equipment must be housed in a ruggedized case complete with proper electrical connection and wiring. Ample ventilation to prevent equipment overheating is required. Additional fans should be installed as needed.
5. The additional components that are not specified in the specs provided as well as the implied works that are not specified under scope of work that are vital to the maximum and effective operationalization of the communication system must be provided by the vendor.
6. The installation team must see to it that all the JPST stations are interconnected with each station and the operations center which is situated in DPWH XII RES, Mintex, D.O.S Maguindanao.
7. The work described herein shall be fully executed and completed by the vendor with due attention to every detail of all apparatus or labour including those are not specified in the scope of work but found to be necessary to the maximum operational capacity of the system.
8. The vendor shall provide detailed sketches for all applicable installation works as required by the vendee upon approval of this project.
9. The vendor should provide a working prototype of the equipment prior to installation in the station. All items and equipment/ radios and antennas must be house in a secure rugged case with IP65 minimum rating.
10. Provide inspection, testing and monitoring of the effectiveness and coverage of the HF radio and voice data communication system even after commissioning until the operations center cease to operate.
11. Set-up interoperability from HF to UHF vice versa including coverage test for each Opcen location.
12. Provide 24/7 technical assistance to the HF radio and voice data communication system in case of trouble and as needed

E. MATERIALS AND WORKMANSHIP

1. The quality of all the materials and equipment to be supplied shall be new, authentic and in accordance with the government standards.
2. The materials and equipment to be used for the establishment of the radio communication system shall be subject to the quality assurance/inspection of OPAPP. These shall be compliant to the specs provided by the Security Unit. The vendor shall provide full information with regards to the materials,

equipment or articles which are proposed to be incorporated into the work. Samples shall be submitted for quality assurance and evaluation.

3. The equipment to be used shall be subject to one-year warranty. Any defective or non-functional equipment shall be replaced immediately.
4. The construction and installation of the radio communication system for the Operations Center shall be completed within sixty (60) working days. Hence, the vendor shall commence the initial ground works (survey, design and commissioning) immediately upon receipt of the Notice of Award from UNDP.

F. DELIVERABLES AND SCHEDULES / EXPECTED OUTPUTS

All activities below will be done in close coordination with the UNDP and the OPAPP/JPSC.

Deliverables / Outputs	Estimated duration to complete
Supply, delivery, installation, testing/commissioning of radio set in the JPSC/JPST Operations Center in DOS, Maguindanao and conduct of training in Maguindanao	3 MONTHS
Supply, delivery, installation, testing/commissioning of radio set in Camp Rafael Crame (PNP) – PNP Peace Process and Development Center	
Supply, delivery, installation, testing/commissioning of radio set in Camp Aginaldo (AFP) – AFP Peace Process Office	

The service provider must submit a detailed schedule of work showing all items of works including clear sequence of the works, date of completion, time for preparation, deliveries, and accomplishments. UNDP Project will arrange for permissions for civil work etc. as per the accepted schedule of work.

G. KEY PERFORMANCE INDICATOR AND SERVICE LEVEL

The service provider must follow all given standards indicated in the plans and estimations. Note, however, that additional components that are not specified in the specs provided as well as the implied works that are not specified under scope of work that are vital to the maximum and effective operationalization of the communication system must be provided by the vendor.

H. GOVERNANCE AND ACCOUNTABILITY

UNDP will implement the project in close coordination with the Office of the Presidential Adviser on the Peace Process and the JPSC. The OPAPP/JPSC will provide technical oversight on the implementation and service delivery of the service provider, while UNDP will monitor and coordinate with both the JPSC and service provider to ensure timely delivery of outputs.

The service provider shall:

- Work closely with JPSC and UNDP throughout the project
- Allocate the proper and needed skilled personnel and resources to carry out the project
- Appoint a focal person which JPSC and UNDP will coordinate with throughout the project

- Report regularly to JPSC and UNDP on the progress and results of the project
- Ensure timely implementation of activities and submission of deliverables
- Assume full responsibility for the works from contracting up to final acceptance by the OPAPP/JPSC and shall be held responsible for any damage or destruction of the works except those occasioned by force majeure
- Assume full responsibility for the safety, protection, security, and convenience of his personnel, third parties, and the public at large, as well as the works, equipment, installation, and the like to be affected by the project
- The **defects liability period** for the project shall be **one year from contract completion and final acceptance by UNDP and OPAPP/JPSC**. During this period, the service provider shall undertake the repair works, at its own expense, of any damage to the works on account of the use of materials of inferior quality within ninety (90) days from the time the OPAPP/JPSC has issued an order to undertake repair. In case of failure or refusal to comply with this mandate, the OPAPP/JPSC shall undertake such repair works and shall be entitled to full reimbursement of expenses incurred therein upon demand.

I. EXPECTED DURATION OF THE CONTRACT / ASSIGNMENT

The contract shall be valid for 3 months from the signing of the contract. It is expected that all aspects of the requirement (including training) will be completed within this period.

J. PRICE AND SCHEDULE OF PAYMENTS

The selected supplier shall be remunerated based on the following payment schedule, upon **issuance of certificate of completion and invoice by the supplier and acceptance by UNDP project** on:

Payment conditions	Percentage of contract amount
Supply, delivery, testing/commissioning of radio set in the JPSC/JPST Operations Center and conduct of training in Maguindanao	30%
Supply, delivery, testing/commissioning of radio set in Camp Crame	30%
Supply, delivery, testing/commissioning of radio set in Camp Aguinaldo	30%
Issuance of Certificate of Project Completion/Final acceptance from UNDP and OPAPP/JPSC; and submission by supplier of Bank guarantee equivalent to 10% of the contract amount to cover defects liability period for 1 year	10%

MINIMUM TECHNICAL SPECIFICATIONS FOR THE EQUIPMENT

A.1 High Frequency (HF) Radio with ALE/ Hopping			
A.	General		Value
	Frequency Coverage	Receive:	0.5 - 29.99 Mhz
		Transmit:	1.6 - 29.99 Mhz
	Type of Emission		J3E, A3E, A1A, F1B, J2B
	Number of Channels		500
	Number of Addresses		SELCALL 500 Channels, ALE 500 Channels
	Operating Temperature		Neg 30 Deg C to Pos 60 Deg C
	Frequency Stability		+/- 0.3 ppm
	Power Supply		13.8VDC Negative Ground 11.73 - 15.78V
	Antenna Impedance		50 Ohms (SO-239)
	Current Drain	Receive:	Less than 3A (Max. audio), 1.0A (Stand-by)
		Transmit:	Less than 28A (Max Output)
	Dimensions (WxHxD)		174x62x259mm
	Weight		3.9kg
B.	Transmitter		
	Output Power		
		J3E/ A1A	125, 50, 10W PEP (Typical)
		A3E	30, 12.5, 3W (Typical)
		F1B/ J2B	75, 50, 10W PEP (Typical)
	Spurious Emissions		64dB typical below PEP
	Carrier Suppression		50dB below PEP
	Unwanted sideband	400Hz	55dB below PEP
		1Khz	65dB below PEP
	3rd IMD		25dB below PEP
	Duty Cycle (at 14.1 Mhz, 25 Deg C)	Normal Conversation	100% (at minus 30 Deg C to pos 60 Deg C)
		Data Mode	25% (at minus 30 Deg C to pos 60 Deg C)
		All Modes with Cooling	
C.	Receiver		
	Sensitivity (at 10dB S/N)	0.5 - 1.59 Mhz	1.6 - 29.99 Mhz
	J3E (Pre-amp ON)	14dBuV	-14dBuV
	A3E	22dBuV	6dBuV
	Squelch Sensitivity	Threshold	Tight
	J3E (at 13.5Mhz)	Less than +20dBuV	Less than +90dBuV

	A3E (at 1.0Mhz)	Less than +30dBuV	Less than +110dBuV
	Selectivity		
	J3E	2.4Khz/-6dB	3.8Khz/-60dB
	A3E	6Khz/-6dB	15Khz/-60dB
	Spurious Response		More than 70dB
	Audio output power		4.0W at 10% distortion with a 10 Ohms load
	Clarifier		+/-200Hz
D.	Ingress Protection Standard		
	Dust and Water		IP54 (Dust-protection and water resistant)
E.	Additional Features		
	Auto-tuner		Not built-in (External)
	ALE		Minimum 2G
	Built In Test Function (BITE)		
	Digital Signal Processing (DSP)		
	Mute		
	GPS Receiver Connection		
	USB port for PC Connection		
	PTT auto tune function		Auto tuning starts when PTT button is pushed
	TX Power protection		PA unit high temperature, high SWR, Llow battery
	Rack Mounting		19 inch rack
	Display Mode		SWR, Voltage, clock, GPS Position, direction and elevation
	FCC Part 90		Compliant
	MIL-STD-810-G		Compliant

A.2 HF Modem			
A.	General		Value
	Frequency Coverage		HF Narrowband
	Type of Emission		Pactor 4
	Bit per Second (BPS)		10500/ 5500 bos net (PMC/ uncompressed)
			at least twice as fast as Pactor 3/ same power and bandwidth
	Compatibility		Pactor 1/ 2/ 3 backward compatible
	Bandwidth		2400 Hz Max
	Speed Levels		10 - highly adaptive
	Interference Immunity		High (up to neg 20dB @3Khz)
	Notches		6 Auto-notches

	Equalizer		Adaptive
B.	Firmware		
	Protocol		ARQ, Synchronous, fast switching
	Modulation		10 auto chosen speed levels
	Channel Balancing		Iterative adaptive equalizer
	Crest Factor		Always less than 4dB
	Minimal SNR		Approx. minus 20dB @ 4Khz
	Data-throughput		Max 5512 bps uncompressed, approx. 10500 bps PMC
	Data compression		Huffman
	Processor		Quad Core DSP Freescale, 6400 MIPS, 64 Bit
C.	Hardware		
	Connections		USB
	Bluetooth		Optional
	Display		256 x 64 pixel OLED, Blue, high contrast
	Power Supply		10 - 28VDC 400mA (max at 10V input)
	Weight/ Size		770 grams/ 172x43x205mm

A.3 Radio Power Supply			
	General		Value
	Input Voltage		100/ 240 VAC 50/ 60 Hz
	Type		Switching
	Output Voltage		13.8V DC
	Output Current		35 Amperes minimum
	Efficiency		better than 85%
	Ripple		less than 50mV p-p
	Physical Dimension	WxLxH, mm	150x270x110 mm
	Net weight		2.06 kgs
	Battery Charging Voltage		12VDC
	Battery Charging Current		3 Amperes

A.4 External HF Antenna Tuner			
	General		Value
	Frequency Coverage		1.6 - 30 Mhz (minimum 7meters or longer antenna element)
	Power Supply Requirement		13.8VDC (Supplied from transceiver)
	Current Drain		Max 2.0 A
	Operating Temperature Range		minus 30 to plus 60 deg C
	Weight		2.5 kgs
	Antenna Connector		SO-239 50 Ohms impedance
	Maximum input power		150 Watts PEP (100W Continuous)

	Automatic Tuning Time		Approx. 2-3 secs
			Approx. 1 sec re-tuning
	Automatic Tuning Accuracy		SWR 2.0:1 after tuning

A.5 HF Antenna			
	General		Value
	Frequency Coverage		1.6 - 30 Mhz
	Minimum Height ASL		25 feet
	Polarity		Horizontal
	Power Handling		500Watts
	Patter		Omni-directional/ Bi-directional
	Antenna Connector		SO-239 50 Ohms impedance
	Length		65 feet end to end minimum
	Coaxial Cable		RG-8 50 Ohms

A.6 Coaxial Cable			
	General		Value
	Impedance		50 Ohms
	Attenuation at 10Mhz, db/100ft		0.6 dB
	Inner Conductor		Copper
	Dielectric Type		PE
	Shield Materials		Copper Braid
	Jacket Material		PVC

A.7 Deep Cycle Batteries			
	General		Value
	Ampere Hours (AH)		200
	Voltage		12V
	Dimensions (LxWxH)		392x180x200 mm
	Material		Deep Cycle
	Patter		Lead Acid

A.8 GPS Receiver Module			
	General		Value
	Satellite		99 parallel Searching
	Channels		33
	Sensitivity		148dBm
	Re-acquisition		160dBm
	Tracking		165dBm

	GNSS Engine		GPS/ GLONASS
	Power Consumption		22mA
	Cold Start		15secs typical
	Horizontal Position Accuracy		Less than 2.5m

B.1 UHF Digital Portable Radio			
A.	General		Value
	Frequency Range		UHF: 350 - 470 Mhz
	Channel Capacity		256 (16 zones with 16 channels per zone)
	Channel Spcaing		Analogue: 12.5Khz/ 20 Khz/ 25 Khz; Digital: 12.5 Khz
	Dimensions		117x55x37 mm
	Weight		308 grams
	Battery		1500mAH Li-ion
	Battery Life		5-5-90 Duty Cycle
		Digital	16Hours
	Display		3 line monochrome
	Keypad		Yes
	Programmable Buttons		3
B.	Features		
	Dustproof and Waterproof		IP54
	GPS		Yes
	Telemetry		No
	Bluetooth		Optional
	Radio Check		Yes
	Alert Call		Yes
	Priority Interrupt		Yes
	IP Site Connect		Yes
	Priority Scan		Yes
	Scrambler		Analogue
	Encryption		Digital
	Text Messaging		64 Characters
	Mixed Mode Operation		Yes
	Cable Programming Kit		Included

B.2 UHF Digital Mobile Radio			
A.	General		Value
	Frequency Range		UHF: 400 - 470 Mhz
	Channel Capacity		1024

	Channel Spcaing		25/ 20/ 12.5 KHz
	Operating Voltage		13.6VDC +/-15%
	Current Drain	Standby	Less than 0.6A
		Receive	Less than 2.0A
		Transmit	Less than 12A(45W/ 50W); Less than 8A(25W)
	Frequency Stability		+/- 1.5ppm
	Antenna Impedance		50Ohms nominal
	Front Case		PC+ABS
	LCD Display		220x176 pixels, 262000 colors, 2.0 inch, 4 rows
B.	Receiver		
	Sensitivity	Analog	0.3uV (12dB SINAD)
		Digital	0.3uV/ BER5%
	Selectivity		65dB @ 12.5 KHz
	Intermodulation		75db @ 12.5/ 20/ 25 KHz
	Spurious Response Rejection		75db @ 12.5/ 20/ 25 KHz
	S/N		40dB @ 12.5 KHz
	Audio Power Output		3W
	Audio Distortion		Less than 3%
C.	Transmitter		
	RF Power Output	High Power	45W
		Low Power	25W
	FM Modulation		11K F3E @ 12.5KHz
	Audio Distortion		Less than 3%
	Digital Vocoder Type		AMBE++ or SELP
	Digital Protocol		ETSI-TS102 361-1, 2&3
D.	Environmental Specifications		
	Operating Temperature		minus 30 Deg C to plus 60 Deg C
	Storage Temperature		minus 40 to plus 85 deg C
	Dust & Water Intrusion		IP54 Standard
	Shock and Vibration		Yes
	Humidity		Yes

B.3 UHF External Antenna			
A.	General		Value
	Type		Variloop
	Bay		8 Stock
	Frequency Range		UHF: 400 - 470 Mhz
	Power Handling		100W

	Antenna Polarization		Vertical
	Recommended Height		30ft minimum
	Metal		Aluminum
	SWR		Less than 3.0:1 on the freq range
	Wind survivability		not more than 125Kph gust
	Connector		SO-239 to PL-259
	Antenna Impedance		50 Ohms
	Coaxial Cable		RG-8 LOW LOSS

C.1 Laptop Computer			
A.	General		Value
	Operating System		Windows 8.1 minimum
	Productivity Tools		Microsoft Office 2016
	Processor Type		Core i7
	Memory		8GB RAM
	Hard Drive		500GB Minimum
	Graphics Card		512MB
	Battery Life		8Hours
	Monitor		15Inches
	Ports		USB 3.0
			HDMI
	Drive		DVD

C.2 Email Server			
A.	General		Value
	Chassis Form Factor		1RU
	Dimensions		17.26x23.84x1.7 inches (WxDxH)
	Board Form Factor		uATX
	Rack Rails		Included
	Processor		Intel Xeon
	Socket		LGA 1151 Socket H4
	Heat Sink		Yes
	Chipset		Intel C236
	Antenna Impedance		50Ohms nominal
	Front Case		PC+ABS
	Power Supply		350W
	Memory Type		DDR4 ECC UDIMM
	Max Nr of DIMMS		4

	Max Memory Size		64GB
	DIMM Type		UDIMM
	Nr of Front Drives Supported		4
	Front Drive Form Factor		Hot-swap 3.5" HDD
	Nr os USB Ports		4 Minimum
	Nr of SATA Ports		4
	RAID Configuration		Software RAID (0,1,10,5)
	Nr of Serial Ports		1
	Nr of LAN Ports		2
	Optical Drive Support		Yes

C.3 Network Attached Storage (NAS)			
A.	General	4	Value
	Processor		Intel Atom C3538 Quad Core
	Encryption		Hardware Encryption
	Memory Type		4GB DDR4 SO-DIMM
	Port		3x USB 3.0
	Expansion Port		Yes
	LAN		4x 1GB (RJ-45)
	Wake On LAN		Yes
	PCIe 3.0 Slot		Yes
	HDD Capacity		4 TB
	Front Case		PC+ABS
	Power Supply		220VAC Input
	Management Console		Yes, built-in, supported

C.4 Managed Switch			
A.	General		Value
	Ports		16 Gigabit RJ45
	SFP		2
	Throughput		Non-blocking
	Switching Capacity		36GBps
	Forwarding Rate		26.78 Mpps
	Power Consumption		150W max
	POE		Supported
	Rack mountable		Yes

C.5 I.P Phone			
A.	General		Value
	Line		1

Call Appearances		2
Monitor		132x48 LCD Screen
Soft Keys		3 XML
Port		Dual 10/ 100 Mbps
POE		Yes, Integrated
Call History		200 Records

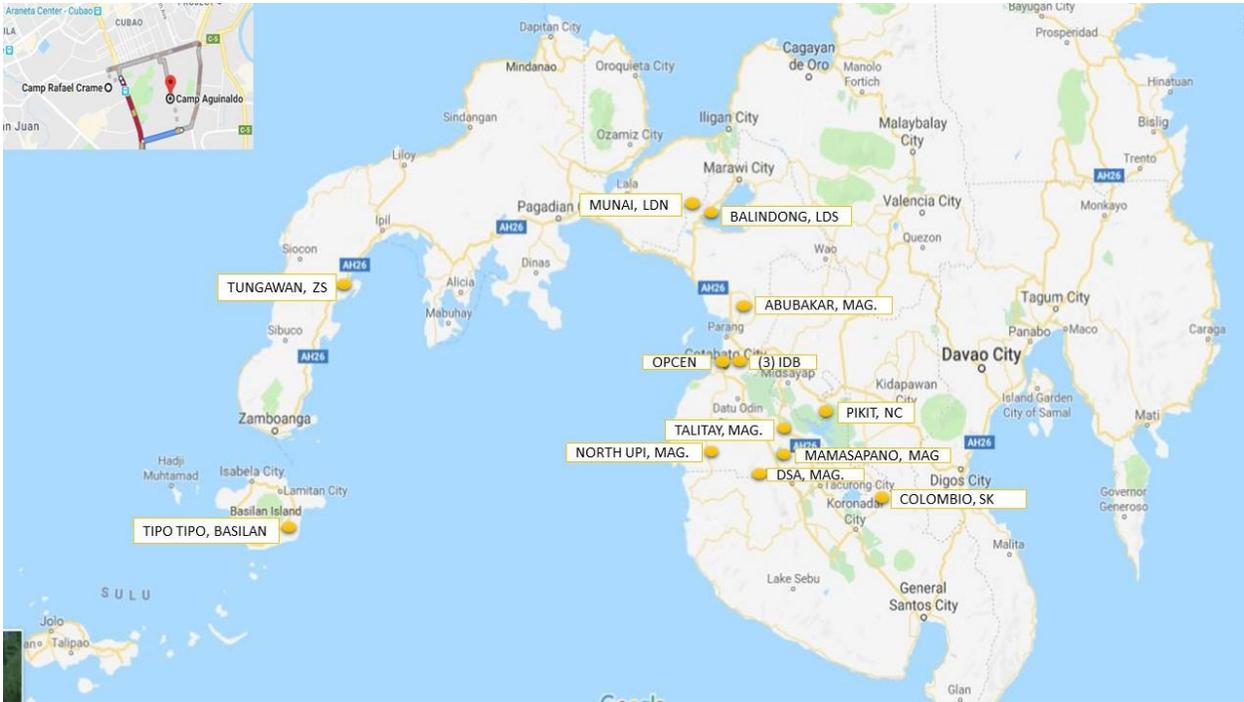
C.6 I.P PABX			
A.	General		Value
	User		up to 500
	Concurrent Calls		30/ 45
	SIP		Compatible
	Ports		2/ 4/ 8 PSTN trunk FXO, 2 Analog FXS
	Network		Gigabit with Integrated POE, USB, SD card
	Interactive Voice Response		5-level
	Call Recording Server		Built-in
	Call Detail Records		Yes
	SIP Video Endpoint		H.264, H.263 or H.263+ codecs

C.7 CAT6 Ethernet Cable			
A.	General		Value
	Conductor		Stranded Bare Copper (7x32 AWG)
	Insulation		HDPE
	Wall Thickness		0.178mm Nominal
	Color Code	Pair 1	Blue & White/ Blue
		Pair 2	Orange & White/ Orange
		Pair 3	Green & White/ Green
		Pair 4	Brown & White/ Brown
	Jacket		Grey
		Minimum Thickness	0.458mm
		Overall diameter	5.8mm +/-0.3mm
	Cable Length		100m
	Characteristics Impedance		85-115 Ohms
	DC Resistance		5%
	Conductor Resistance		14 Ohms/ 100m
	Spark Test		2.5kV
	Velocity of Propagation		69%

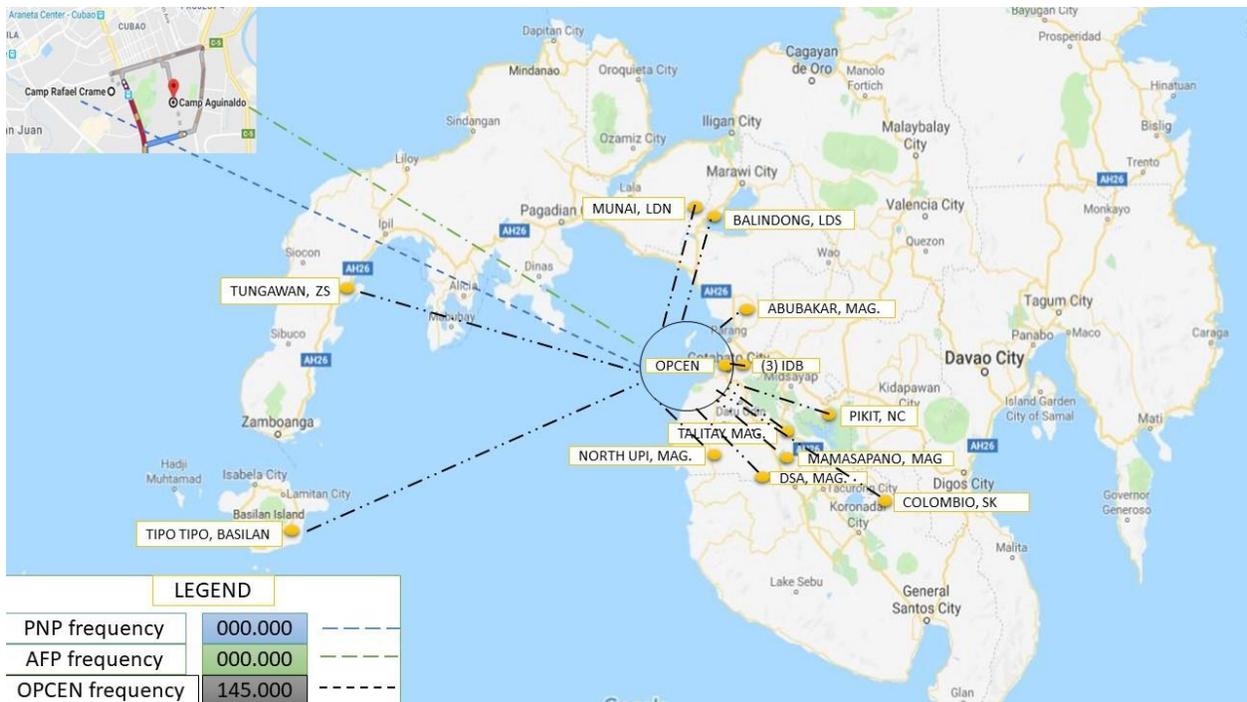
C.8 CAT6 Uninterruptible Power Supply			
A.	General		Value
	Battery Enclosure		Internal
	Input Voltage		220VAC
	Power Output Connector		4X power NEMA 5-15
	Output Voltage		AC 220 V 50/60 HZ
	Power Capacity		300 Watts/ 500 VA
	Surge Suppression		Yes
	Energy Rating		365 Joules
	Power Provided		300 Watts
	Frequency Required		50/ 60 Hz
	Circuit Protection		Circuit Breaker
	Run Time (Up To)		4.3 mins at full load
	Recharge Time		24 secs
	Humidity Range		0 - 95%
	Max Operating Temperature		104 Deg F
	Dimensions	WxDxH	10.9x3.4x7.1 inches
	Weight		13.23 lbs

D.1 Guyed Mast			
A.	General		Value
	Height Minimum		18meters
	Metal		2inches pipe Schedule 40
	Ladder		with step bolts
	Guying		Layered guying
	Foundation		Concrete or above roof
	Wind Rating		not more than 150kph gust
	Grounding		3 point grounding
	Painting		Color as required
D.2 Hard Casing			
A.	General		Value
	Height		8RU
	Color		Black
	Water Resistance		Gasket in LID
	Handle		2 Carry
	Latches		4 Twist
	Weight Rating		35kgs
	Rack Mountable		Yes
	Exterior Dimensions	LxWxH	23.03x22.24x16.5 in
	Exterior Weight		20 lbs

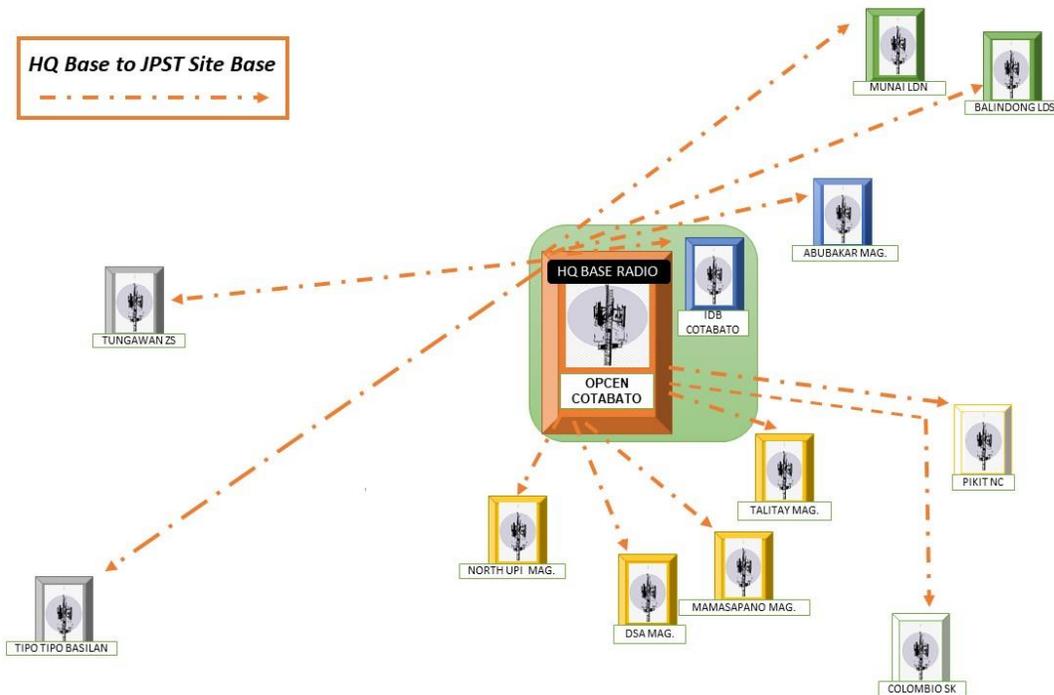
LOGICAL DIAGRAM



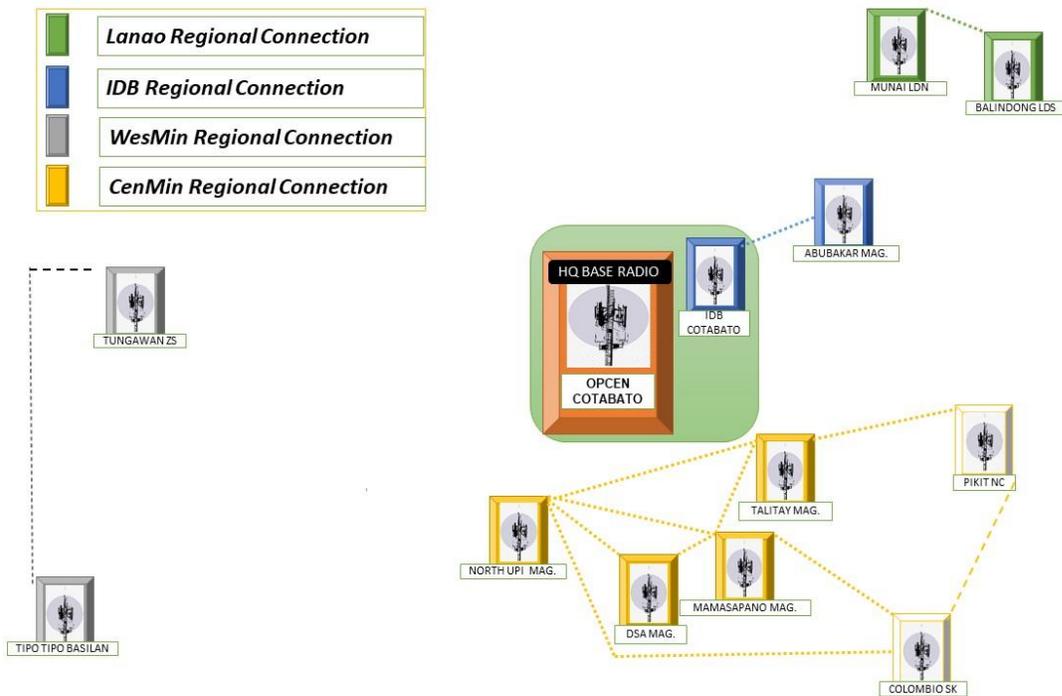
Pin location for the 12 JPST site bases.



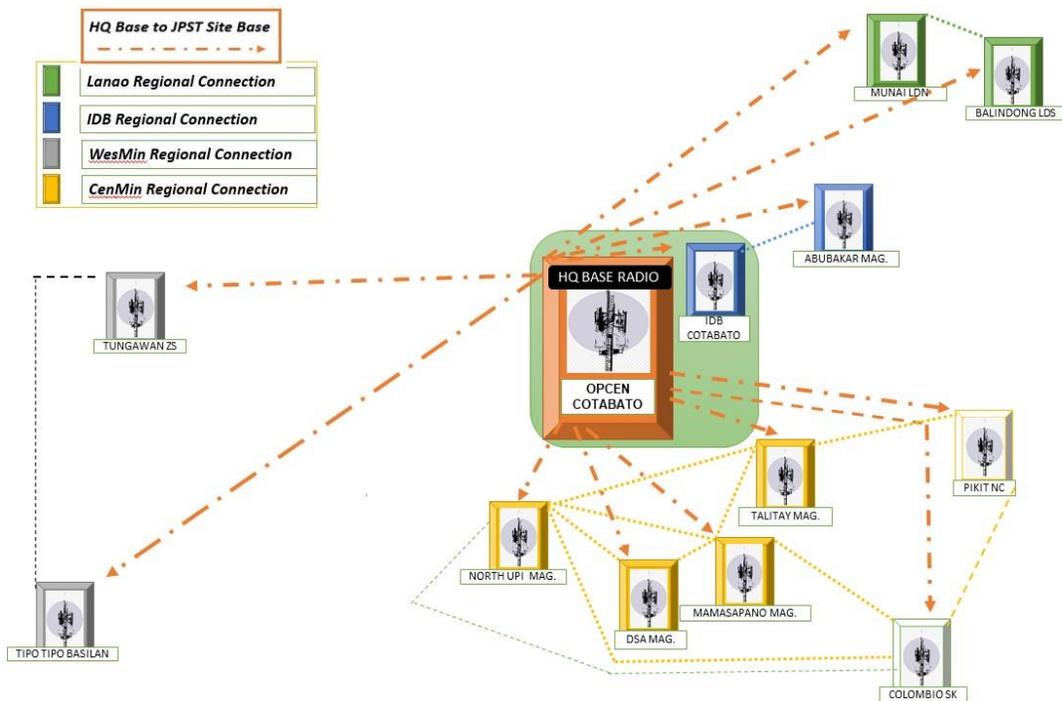
Interconnectivity for the 12 JPST stations including Camp Crame and Camp Aguinaldo.



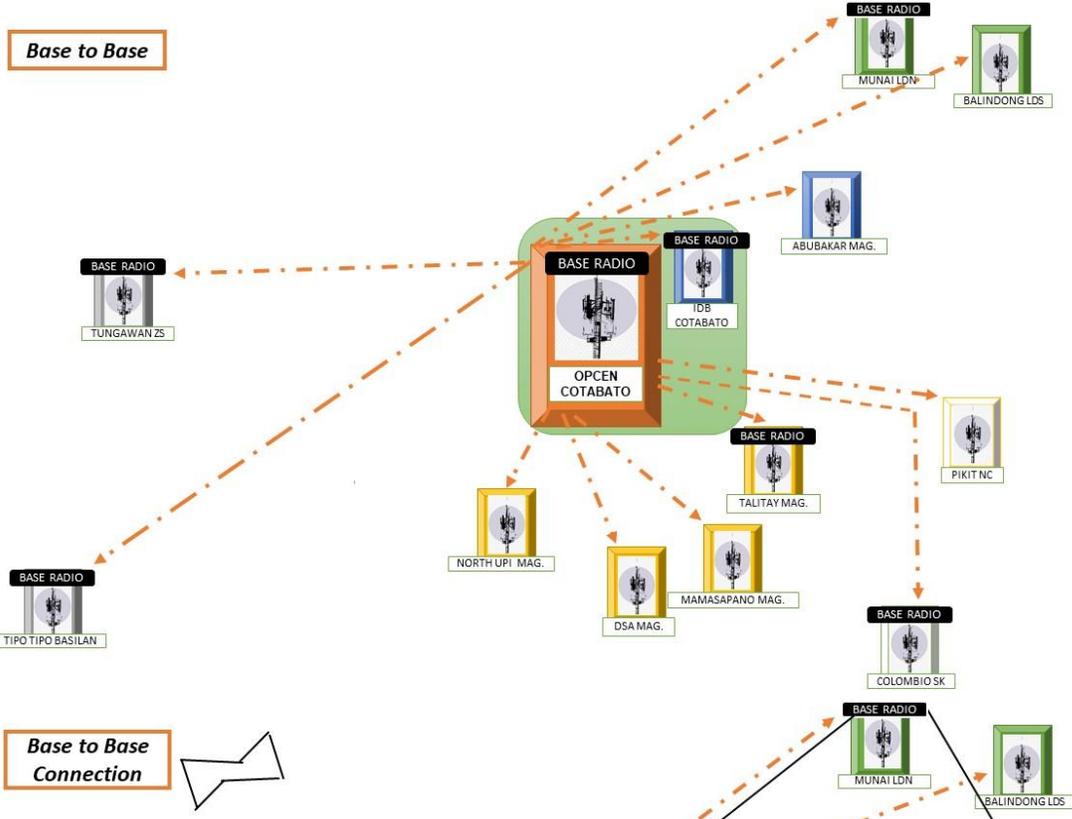
The base station controller (BSC) is the Operation Center (OpCen). It is the component that controls all the radios in the Joint Peace and Security Team (JPST).



Base Radio can communicate with each other just like the line diagram or it depends on the program setup.

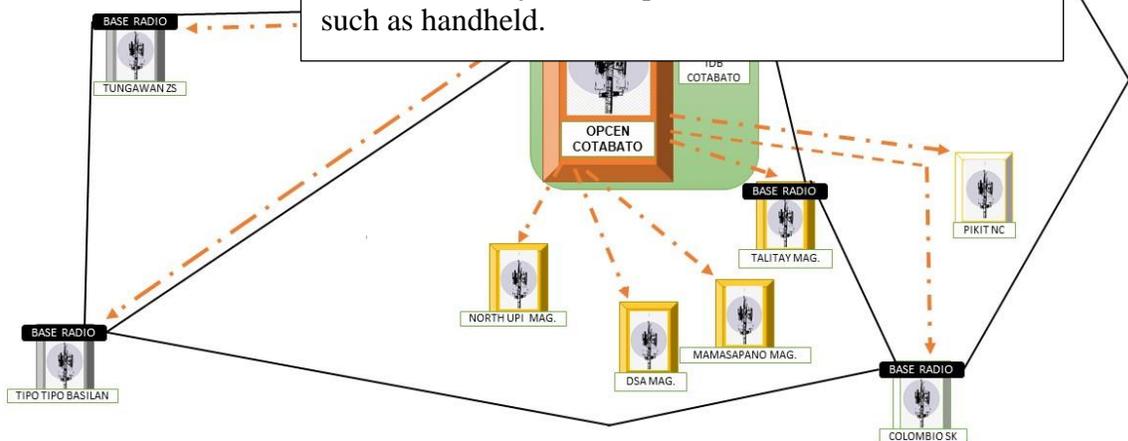


Overall connection.

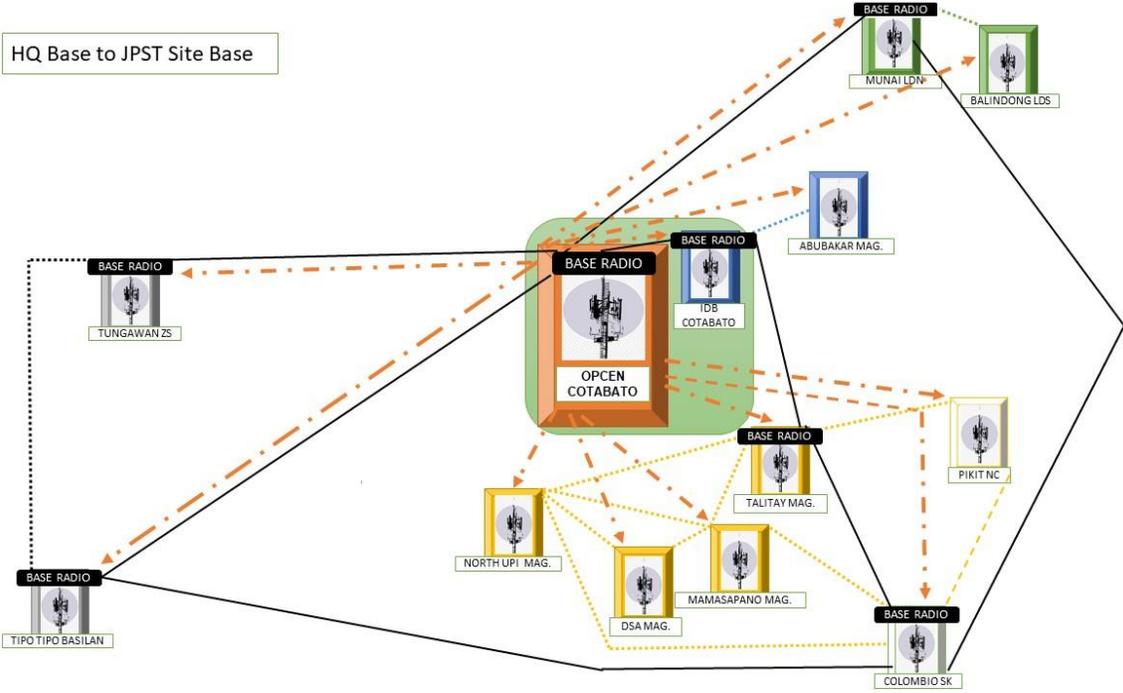


Base to Base Connection

For long distance communication base radio can be used to transmit clear information. If necessary, the information may then be passed on to smaller radios such as handheld.



The black line shows the connection for base to base radio whereas the orange-colored lines shows the transmittal from the HQ to the JPST sites and vice versa.



Overall the setup is arranged in such a way that all of the radios, both base and handheld, are interconnected.

Section 5b: Other Related Requirements

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

Delivery Term [INCOTERMS 2010]	DAP – address for delivery as below Please note that UNDP is exempt from Value added Taxes (VAT) for the purchase of goods and import duties and taxes. Supplier will be in charge of engaging a broker to facilitate the application of National Telecommunications Commission (NTC) permits registered in the name of OPAPP. UNDP will facilitate customs clearances if importation is needed.
Exact Address of Delivery Location	<p>1) JPSC Operations Center- DPWH-RES Compound, MINTEX (Mindanao Textile), Datu Odin Sinsuat, Maguindanao</p> <p>2) Camp Rafael Crame (PNP)- EDSA, Quezon City, 1111 Metro Manila</p> <p>3) Camp Aguinaldo (AFP) - EDSA, Quezon City, 1100 Metro Manila</p>
Mode of Transport Preferred	Other – bidders’ preference
UNDP Preferred Freight Forwarder, if any	Not applicable
Distribution of shipping documents <i>(if using freight forwarder)</i>	Not applicable
Customs, if required, clearing shall be done by:	Supplier
Ex-factory / Pre-shipment inspection	Not required
Inspection upon delivery	Required
Installation Requirements	Required
Testing Requirements	Required
Scope of Training on Operation and Maintenance	Required
Commissioning	Required
Warranty Period	Warranty for 1 year on all equipment. Any defective or non-functional equipment shall be replaced immediately.
Local Service Support	Required – Bidder to provide local service center/s for technical support, post-installation (provide details)
Technical Support Requirements	Required

After-sale services Requirements	<input checked="" type="checkbox"/> Warranty for 1 year on all equipment. Any defective or non-functional equipment shall be replaced immediately.
Payment Terms <i>(max. advanced payment is 20% as per UNDP policy)</i>	As per section 5a
Conditions for Release of Payment	As per section 5a
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"/>
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]

<p>contact for requests for clarifications during Bid evaluation</p>	<p>Telephone numbers: [Complete] Email: [Complete]</p>
<p>Please attach the following documents:</p>	<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 ▪ <u>Certification or authorization to act as Agent on behalf of the Manufacturer, or Power of Attorney.</u> ▪ Export Licenses, if applicable ▪ <u>Local Government permit to locate and operate in assignment location, if applicable</u> ▪ <u>Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country</u>

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]
--	------------

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:	

Financial Standing

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

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

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

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

Form E: Format of Technical Bid

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

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

SECTION 1: Bidder's qualification, capacity and expertise

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

Type of contract & duration	Agency/firm	Value of the contract (USD)

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.

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)

COMPLIANCE SHEET

(Indicate each item's compliance to minimum specifications by ticking the 'Yes we comply' or "No we cannot comply' box. Kindly list the brand/model/specs of the item you are offering.)

Goods and services to be Supplied and Technical Specifications				Compliance with technical specifications	
				Yes, we comply (indicate offer-brand/model/specs, where applicable)	No we cannot comply (indicate offer-brand/model/specs and discrepancy)
A.1 High Frequency (HF) Radio with ALE/ Hopping					
A.	General		Value		
	Frequency Coverage	Receive:	0.5 - 29.99 Mhz		
		Transmit:	1.6 - 29.99 Mhz		
	Type of Emission		J3E, A3E, A1A, F1B, J2B		
	Number of Channels		500		
	Number of Addresses		SELCALL 500 Channels, ALE 500 Channels		
	Operating Temperature		Neg 30 Deg C to Pos 60 Deg C		
	Frequency Stability		+/- 0.3 ppm		
	Power Supply		13.8VDC Negative Ground 11.73 - 15.78V		
	Antenna Impedance		50 Ohms (SO-239)		
	Current Drain	Receive:	Less than 3A (Max. audio), 1.0A (Stand-by)		
		Transmit:	Less than 28A (Max Output)		
	Dimensions (WxHxD)		174x62x259mm		
	Weight		3.9kg		
B.	Transmitter				
	Output Power				
		J3E/ A1A	125, 50, 10W PEP (Typical)		
		A3E	30, 12.5, 3W (Typical)		
		F1B/ J2B	75, 50, 10W PEP (Typical)		
	Spurious Emissions		64dB typical below PEP		
	Carrier Suppression		50dB below PEP		
	Unwanted sideband	400Hz	55dB below PEP		
		1Khz	65dB below PEP		
	3rd IMD		25dB below PEP		
	Duty Cycle (at 14.1 Mhz, 25 Deg C)	Normal Conversation	100% (at minus 30 Deg C to pos 60 Deg C)		
		Data Mode	25% (at minus 30 Deg C to pos 60 Deg C)		

		All Modes with Cooling			
C.	Receiver				
	Sensitivity (at 10dB S/N)	0.5 - 1.59 Mhz	1.6 - 29.99 Mhz		
	J3E (Pre-amp ON)	14dBuV	-14dBuV		
	A3E	22dBuV	6dBuV		
	Squelch Sensitivity	Threshold	Tight		
	J3E (at 13.5Mhz)	Less than +20dBuV	Less than +90dBuV		
	A3E (at 1.0Mhz)	Less than +30dBuV	Less than +110dBuV		
	Selectivity				
	J3E	2.4Khz/-6dB	3.8Khz/-60dB		
	A3E	6Khz/-6dB	15Khz/-60dB		
	Spurious Response		More than 70dB		
	Audio output power		4.0W at 10% distortion with a 10 Ohms load		
	Clarifier		+/-200Hz		
D.	Ingress Protection Standard				
	Dust and Water		IP54 (Dust-protection and water resistant)		
E.	Additional Features				
	Auto-tuner		Not built-in (External)		
	ALE		Minimum 2G		
	Built In Test Function (BITE)				
	Digital Signal Processing (DSP)				
	Mute				
	GPS Receiver Connection				
	USB port for PC Connection				
	PTT auto tune function		Auto tuning starts when PTT button is pushed		
	TX Power protection		PA unit high temperature, high SWR, Llow battery		
	Rack Mounting		19 inch rack		
	Display Mode		SWR, Voltage, clock, GPS Position, direction and elevation		

	FCC Part 90		Compliant		
	MIL-STD-810-G		Compliant		
A.2 HF Modem					
A.	General		Value		
	Frequency Coverage		HF Narrowband		
	Type of Emission		Pactor 4		
	Bit per Second (BPS)		10500/ 5500 bos net (PMC/ uncompressed)		
			at least twice as fast as Pactor 3/ same power and bandwidth		
	Compatibility		Pactor 1/ 2/ 3 backward compatible		
	Bandwidth		2400 Hz Max		
	Speed Levels		10 - highly adaptive		
	Interference Immunity		High (up to neg 20dB @3Khz		
	Notches		6 Auto-notches		
	Equalizer		Adaptive		
B.	Firmware				
	Protocol		ARQ, Synchronous, fast switching		
	Modulation		10 auto chosen speed levels		
	Channel Balancing		Iterative adaptive equalizer		
	Crest Factor		Always less than 4dB		
	Minimal SNR		Approx. minus 20dB @ 4Khz		
	Data-throughput		Max 5512 bps uncompressed, approx. 10500 bps PMC		
	Data compression		Huffman		
	Processor		Quad Core DSP Freescale, 6400 MIPS, 64 Bit		
C.	Hardware				
	Connections		USB		
	Bluetooth		Optional		
	Display		256 x 64 pixel OLED, Blue, high contrast		
	Power Supply		10 - 28VDC 400mA (max at 10V input)		
	Weight/ Size		770 grams/ 172x43x205mm		
A.3 Radio Power Supply					
	General		Value		
	Input Voltage		100/ 240 VAC 50/ 60 Hz		
	Type		Switching		
	Output Voltage		13.8V DC		
	Output Current		35 Amperes minimum		
	Efficiency		better than 85%		

	Ripple		less than 50mV p-p		
	Physical Dimension	WxLxH, mm	150x270x110 mm		
	Net weight		2.06 kgs		
	Battery Charging Voltage		12VDC		
	Battery Charging Current		3 Amperes		
A.4 External HF Antenna Tuner					
	General		Value		
	Frequency Coverage		1.6 - 30 Mhz (minimum 7meters or longer antenna element		
	Power Supply Requirement		13.8VDC (Supplied from transceiver)		
	Current Drain		Max 2.0 A		
	Operating Temperature Range		minus 30 to plus 60 deg C		
	Weight		2.5 kgs		
	Antenna Connector		SO-239 50 Ohms impedance		
	Maximum input power		150 Watts PEP (100W Continuiuos)		
	Automatic Tuning Time		Approx. 2-3 secs		
			Approx. 1 sec re-tuning		
	Automatic Tuning Accuracy		SWR 2.0:1 after tuning		
A.5 HF Antenna					
	General		Value		
	Frequency Coverage		1.6 - 30 Mhz		
	Minimum Height ASL		25 feet		
	Polarity		Horizontal		
	Power Handling		500Watts		
	Patter		Omni-directional/ Bi-directional		
	Antenna Connector		SO-239 50 Ohms impedance		
	Length		65 feet end to end minimum		
	Coaxial Cable		RG-8 50 Ohms		
A.6 Coaxial Cable					
	General		Value		
	Impedance		50 Ohms		
	Attenuation at 10Mhz, db/100ft		0.6 dB		
	Inner Conductor		Copper		
	Dielectric Type		PE		
	Shield Materials		Copper Braid		

	Jacket Material		PVC		
A.7 Deep Cycle Batteries					
	General		Value		
	Ampere Hours (AH)		200		
	Voltage		12V		
	Dimensions (LxWxH)		392x180x200 mm		
	Material		Deep Cycle		
	Patter		Lead Acid		
A.8 GPS Receiver Module					
	General		Value		
	Satellite		99 parallel Searching		
	Channels		33		
	Sensitivity		148dBm		
	Re-acquisition		160dBm		
	Tracking		165dBm		
	GNSS Engine		GPS/ GLONASS		
	Power Consumption		22mA		
	Cold Start		15secs typical		
	Horizontal Position Accuracy		Less than 2.5m		
B.1 UHF Digital Portable Radio					
A.	General		Value		
	Frequency Range		UHF: 350 - 470 Mhz		
	Channel Capacity		256 (16 zones with 16 channels per zone)		
	Channel Spacing		Analogue: 12.5Khz/ 20 Khz/ 25 Khz; Digital: 12.5 Khz		
	Dimensions		117x55x37 mm		
	Weight		308 grams		
	Battery		1500mAH Li-ion		
	Battery Life		5-5-90 Duty Cycle		
		Digital	16Hours		
	Display		3 line monochrome		
	Keypad		Yes		
	Programmable Buttons		3		
B.	Features				
	Dustproof and Waterproof		IP54		
	GPS		Yes		
	Telemetry		No		
	Bluetooth		Optional		

	Radio Check		Yes		
	Alert Call		Yes		
	Priority Interrupt		Yes		
	IP Site Connect		Yes		
	Priority Scan		Yes		
	Scrambler		Analog		
	Encryption		Digital		
	Text Messaging		64 Characters		
	Mixed Mode Operation		Yes		
	Cable Programming Kit		Included		
B.2 UHF Digital Mobile Radio					
A.	General		Value		
	Frequency Range		UHF: 400 - 470 Mhz		
	Channel Capacity		1024		
	Channel Spacing		25/ 20/ 12.5 Khz		
	Operating Voltage		13.6VDC +/-15%		
	Current Drain	Standby	Less than 0.6A		
		Receive	Less than 2.0A		
		Transmit	Less than 12A(45W/ 50W); Less than 8A(25W)		
	Frequency Stability		+/- 1.5ppm		
	Antenna Impedance		50Ohms nominal		
	Front Case		PC+ABS		
	LCD Display		220x176 pixels, 262000 colors, 2.0 inch, 4 rows		
B.	Receiver				
	Sensitivity	Analog	0.3uV (12dB SINAD)		
		Digital	0.3uV/ BER5%		
	Selectivity		65dB @ 12.5 Khz		
	Intermodulation		75db @ 12.5/ 20/ 25 Khz		
	Spurious Response Rejection		75db @ 12.5/ 20/ 25 Khz		
	S/N		40dB @ 12.5 Khz		
	Audio Power Output		3W		
	Audio Distortion		Less than 3%		
C.	Transmitter				
	RF Power Output	High Power	45W		
		Low Power	25W		
	FM Modulation		11K F3E @ 12.5Khz		
	Audio Distortion		Less than 3%		

	Digital Vocoder Type		AMBE++ or SELP		
	Digital Protocol		ETSI-TS102 361-1, 2&3		
D.	Environmental Specifications				
	Operating Temperature		minus 30 Deg C to plus 60 Deg C		
	Storage Temperature		minus 40 to plus 85 deg C		
	Dust & Water Intrusion		IP54 Standard		
	Shock and Vibration		Yes		
	Humidity		Yes		
B.3 UHF External Antenna					
A.	General		Value		
	Type		Variloop		
	Bay		8 Stock		
	Frequency Range		UHF: 400 - 470 Mhz		
	Power Handling		100W		
	Antenna Polarization		Vertical		
	Recommended Height		30ft minimum		
	Metal		Aluminum		
	SWR		Less than 3.0:1 on the freq range		
	Wind survivability		not more than 125Kph gust		
	Connector		SO-239 to PL-259		
	Antenna Impedance		50 Ohms		
	Coaxial Cable		RG-8 LOW LOSS		
C.1 Laptop Computer					
	General		Value		
	Operating System		Windows 8.1 minimum		
	Productivity Tools		Microsoft Office 2016		
	Processor Type		Core i7		
	Memory		8GB RAM		
	Hard Drive		500GB Minimum		
	Graphics Card		512MB		
	Battery Life		8Hours		
	Monitor		15Inches		
	Ports		USB 3.0		

		HDMI		
	Drive	DVD		
C.2 Email Server				
	General	Value		
	Chassis Form Factor	1RU		
	Dimensions	17.26x23.84x1.7 inches (WxDxH)		
	Board Form Factor	uATX		
	Rack Rails	Included		
	Processor	Intel Xeon		
	Socket	LGA 1151 Socket H4		
	Heat Sink	Yes		
	Chipset	Intel C236		
	Antenna Impedance	50Ohms nominal		
	Front Case	PC+ABS		
	Power Supply	350W		
	Memory Type	DDR4 ECC UDIMM		
	Max Nr of DIMMS	4		
	Max Memory Size	64GB		
	DIMM Type	UDIMM		
	Nr of Front Drives Supported	4		
	Front Drive Form Factor	<u>Hot-swap 3.5" HDD</u>		
	Nr os USB Ports	4 Minimum		
	Nr of SATA Ports	4		
	RAID Configuration	Software RAID (0,1,10,5)		
	Nr of Serial Ports	1		
	Nr of LAN Ports	2		
	Optical Drive Support	Yes		
C.3 Network Attached Storage (NAS)				
	General	Value		
	Processor	Intel Atom C3538 Quad Core		
	Encryption	Hardware Encryption		
	Memory Type	4GB DDR4 SO-DIMM		

	Port	3x USB 3.0		
	Expansion Port	Yes		
	LAN	4x 1GB (RJ-45)		
	Wake On LAN	Yes		
	PCIe 3.0 Slot	Yes		
	HDD Capacity	4 TB		
	Front Case	PC+ABS		
	Power Supply	220VAC Input		
	Management Console	Yes, built-in, supported		
C.4 Managed Switch				
Technical Specifications				
	General	Value		
	Ports	16 Gigabit RJ45		
	SFP	2		
	Throughput	Non-blocking		
	Switching Capacity	36GBps		
	Forwarding Rate	26.78 Mpps		
	Power Consumption	150W max		
	POE	Supported		
	Rack mountable	Yes		
C.5 I.P Phone				
	General	Value		
	Line	1		
	Call Appearances	2		
	Monitor	132x48 LCD Screen		
	Soft Keys	3 XML		
	Port	Dual 10/ 100 Mbps		
	POE	Yes, Integrated		
	Call History	200 Records		
C.6 I.P PABX				
	General	Value		
	User	up to 500		
	Concurrent Calls	30/ 45		

	SIP	Compatible		
	Ports	2/ 4/ 8 PSTN trunk FXO, 2 Analog FXS		
	Network	Gigabit with Integrated POE, USB, SD card		
	Interactive Voice Response	5-level		
	Call Recording Server	Built-in		
	Call Detail Records	Yes		
	SIP Video Endpoint	H.264, H.263 or H.263+ codecs		
C.7 CAT6 Ethernet Cable				
	General	Value		
	Conductor	Stranded Bare Copper (7x32 AWG)		
	Insulation	HDPE		
	Wall Thickness	0.178mm Nominal		
	Color Code	Pair 1 Blue & White/ Blue		
		Pair 2 Orange & White/ Orange		
		Pair 3 Green & White/ Green		
		Pair 4 Brown & White/ Brown		
	Jacket	Grey		
		Minimum Thickness	0.458mm	
		Overall diameter	5.8mm +/-0.3mm	
	Cable Length	100m		
	Characteristics Impedance	85-115 Ohms		
	DC Resistance	5%		
	Conductor Resistance	14 Ohms/ 100m		
	Spark Test	2.5kV		
	Velocity of Propagation	69%		
C.8 CAT6 Uninterruptible Power Supply				

	General		Value		
	Battery Enclosure		Intenal		
	Input Voltage		220VAC		
	Power Output Connector		4X power NEMA 5-15		
	Output Voltage		AC 220 V 50/60 HZ		
	Power Capacity		300 Watts/ 500 VA		
	Surge Suppression		Yes		
	Energy Rating		365 Joules		
	Power Provided		300 Watts		
	Frequency Required		50/ 60 Hz		
	Circuit Protection		Circuit Breaker		
	Run Time (Up To)		4.3 mins at full load		
	Recharge Time		24 secs		
	Humidity Range		0 - 95%		
	Max Operating Temperature		104 Deg F		
	Dimensions	WxDxH	10.9x3.4x7.1 inches		
	Weight		13.23 lbs		
D.1 Guyed Mast					
	General		Value		
	Height Minimum		18meters		
	Metal		2inches pipe Schedule 40		
	Ladder		with step bolts		
	Guying		Layered guying		
	Foundation		Concrete or above roof		
	Wind Rating		not more than 150kph gust		
	Grounding		3 point grounding		
	Painting		Color as required		
D.2 Hard Casing					
	General		Value		
	Height		8RU		
	Color		Black		
	Water Resistance		Gasket in LID		

	Handle	2 Carry		
	Latches	4 Twist		
	Weight Rating	35kgs		
	Rack Mountable	Yes		
	Exterior Dimensions (L*W*H)	23.03x22.24x16.5 in		
	Exterior Weight	20 lbs		

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 Terms			
Warranty			
Local Service Support			

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

Signature of Personnel

Date (Day/Month/Year)

FORM F: Price Schedule Form

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

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

Currency of the Bid: [Insert Currency]

Price Schedule

Lot 1: JPSC Operations Center- DPWH-RES Compound, MINTEX, Datu Odin Sinsuat, Maguindanao					
No.	Nomenclature	Qty	Unit	Unit Price	Total Price
A	RADIO TRANSCEIVER/ ALE/ GPS				
A.1	High Frequency (HF) Radio with ALE/ Hopping	1	set		
A.2	Pactor 4 Modem	1	set		
A.3	13.8 VDC Power Supply	1	set		
A.4	External HF Antenna Tuner	1	set		
A.5	Dipole/ Delta Loop Antenna	1	set		
A.6	Coaxial Cable 50 Ohms Low Loss	1	roll		
A.7	Deep Cycle Batteries	1	pcs		
A.8	GPS	1	ea		
B	UHF DIGITAL RADIO				
B.1	Handheld Radio	5	set		
B.2	Cloning Cable/ Programming Kit	1	set		
B.3	Mobile Base UHF	3	set		
B.4	Handheld Radio Accessories (Mic, Bag)	5	set		
B.5	Mobile Charger	5	set		
C	UHF Antenna				
C.1	UHF External Antenna	3	set		
D	COMPUTER/ ELECTRONICS				
D.1	I7 Laptop (8GB RAM; 1TB HD; 512MB videocard) with 3in1 printer	1	set		

D.2	Email Server 1 Ru	1	set		
D.3	Network Attached Storage (NAS) for HF Email	1	set		
D.4	Managed Switches	1	set		
D.5	IP Phone	1	set		
D.6	IP PBX	1	set		
D.7	CAT6 Ethernet Cable	1	box		
D.8	500Watts UPS	1	set		
E	ACCESSORIES				
E.1	20M Guyed mast	1	set		
E.2	Grounding	1	set		
E.3	Turn-buckles	16	ea		
E.4	Tools, tie-wrap, waterproofing	1	ea		
E.5	Battery Cable/ Splice	1	set		
E.6	Guying Cable	1	roll		
E.7	Hard Case (IP67 rated--> vibration, moisture, shock resistant)	2	pc		
F	ELECTRICAL				
F.1	Circuit Breaker	1	set		
F.2	THHN Wire	1	box		

Lot 2: Camp Rafael Crame (PNP)- EDSA, Quezon City, 1111 Metro Manila

Nr	Nomenclature	Qty	Unit	Unit Price	Total Price
A	RADIO TRANSCIVER/ ALE/ GPS				
A.1	High Frequency (HF) Radio with ALE/ Hopping	1	set		
A.2	Pactor 4 Modem	1	set		
A.3	13.8 VDC Power Supply	1	set		
A.4	External HF Antenna Tuner	1	set		
A.5	Dipole/ Delta Loop Antenna	1	set		
A.6	Coaxial Cable 50 Ohms Low Loss	1	roll		
A.7	Deep Cycle Batteries	1	pcs		
A.8	GPS	1	ea		
B	UHF DIGITAL RADIO				
B.1	Handheld Radio	3	set		
B.2	Cloning Cable/ Programming Kit	1	set		
B.4	Handheld Radio Accessories (Mic, Bag)	3	set		
B.5	Mobile Charger	3	set		
C	COMPUTER/ ELECTRONICS				
C.1	I7 Laptop (8GB RAM; 1TB HD; 512MB videocard) with 3in1 printer	1	set		

C.2	Email Server 1 Ru	1	set		
C.3	Network Attached Storage (NAS) for HF Email	1	set		
C.4	Managed Switches	1	set		
C.5	IP Phone	1	set		
C.6	IP PBX	1	set		
C.7	CAT6 Ethernet Cable	1	box		
C.8	500Watts UPS	1	set		
D	ACCESSORIES				
D.1	20M Guyed mast	1	set		
D.2	Grounding	1	set		
D.3	Turn-buckles	16	ea		
D.4	Tools, tie-wrap, waterproofing	1	ea		
D.5	Battery Cable/ Splice	1	set		
D.6	Guying Cable	1	roll		
D.7	Hard Case (IP67 rated--> vibration, moisture, shock resistant)	2	pc		
E	ELECTRICAL				
E.1	Circuit Breaker	1	set		
E.2	THHN Wire	1	box		

Lot 3: Camp Aguinaldo (AFP)- EDSA, Quezon City, 1100 Metro Manila

Nr	Nomenclature	Qty	Unit	Unit Price	Total Price
A	RADIO TRANSCIVER/ ALE/ GPS				
A.1	High Frequency (HF) Radio with ALE/ Hopping	1	set		
A.2	Pactor 4 Modem	1	set		
A.3	13.8 VDC Power Supply	1	set		
A.4	External HF Antenna Tuner	1	set		
A.5	Dipole/ Delta Loop Antenna	1	set		
A.6	Coaxial Cable 50 Ohms Low Loss	1	roll		
A.7	Deep Cycle Batteries	1	pcs		
A.8	GPS	1	ea		
B	UHF DIGITAL RADIO				
B.1	Handheld Radio	3	set		
B.2	Cloning Cable/ Programming Kit	1	set		
B.4	Handheld Radio Accessories (Mic, Bag)	3	set		
B.5	Mobile Charger	3	set		
C	COMPUTER/ ELECTRONICS				
C.1	I7 Laptop (8GB RAM; 1TB HD; 512MB videocard) with 3in1 printer	1	set		
C.2	Email Server 1 Ru	1	set		
C.3	Network Attached Storage (NAS) for HF Email	1	set		

C.4	Managed Switches	1	set		
C.5	IP Phone	1	set		
C.6	IP PBX	1	set		
C.7	CAT6 Ethernet Cable	1	box		
C.8	500Watts UPS	1	set		
D	ACCESSORIES				
D.1	20M Guyed mast	1	set		
D.2	Grounding	1	set		
D.3	Turn-buckles	16	ea		
D.4	Tools, tie-wrap, waterproofing	1	ea		
D.5	Battery Cable/ Splice	1	set		
D.6	Guying Cable	1	roll		
D.7	Hard Case (IP67 rated--> vibration, moisture, shock resistant)	2	pc		
F	ELECTRICAL				
F.1	Circuit Breaker	1	set		
F.2	THHN Wire	1	box		
Subtotal for Equipment (VAT Exclusive)					
Civil works and Labor					
*VAT for services / other applicable taxes					
Bid Total DAP, off-loaded/cleared, Place, Country (Incoterms 2010)					
Facilitation of NTC Permits					
Delivery and Installation					
Installation/Testing/Commissioning					
One-time Training (Maguindanao)					
Any other costs					
GRAND TOTAL					

*UNDP in the Philippines is not exempt from paying VAT on services

Name of Bidder: _____
 Authorised signature: _____
 Name of authorised signatory: _____
 Functional Title: _____