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INVITATION TO BID

Construction of LV Lines in North Bank Region, The Gambia

ITB No.: 2020/UNDP/GAM/OPS/129

Project: Project for Accelerated Community Development (PACD) –
Rural Electrification Project (Phase 2)

Country: Gambia

Issued on: 14 November 2020

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Section I. Letter of Invitation

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

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

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

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

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

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

Issued by

Approved by:

Name: Thomas Mugabiyimana
Title: Team Leader
Date: **November 14, 2020**

Name: : Aissata De
Title: Resident Representative
Date: **November 14, 2020**

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 (UNGGM) website (www.ungm.org). The Bidder may still submit a bid even if not registered with the UNGM. However, if the Bidder is selected for contract award, the Bidder must register on the UNGM prior to contract signature.</p>
2. Fraud & Corruption, Gifts and Hospitality	<p>2.1 UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti</p> <p>2.2 Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches or dinners.</p> <p>2.3 In pursuance of this policy, UNDP:</p> <p>(a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question;</p> <p>(b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p> <p>2.4 All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</p>
3. Eligibility	<p>3.1 A vendor should not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations.</p> <p>3.2 It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p>

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

5. General Considerations	<p>5.1 In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in rejection of the Bid.</p> <p>5.2 The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must notify the UNDP accordingly.</p>
6. Cost of Preparation of Bid	<p>6.1 The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. UNDP shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.</p>
7. Language	<p>7.1 The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the BDS.</p>
8. Documents Comprising the Bid	<p>8.1 The Bid shall comprise of the following documents and related forms which details are provided in the BDS:</p> <ul style="list-style-type: none"> a) Documents Establishing the Eligibility and Qualifications of the Bidder;

	<ul style="list-style-type: none"> b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid.
9. Documents Establishing the Eligibility and Qualifications of the Bidder	<p>9.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfaction.</p>
10. Technical Bid Format and Content	<p>10.1 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB.</p> <p>10.2 Samples of items, when required as per Section 5, shall be provided within the time specified and unless otherwise specified by the Purchaser, at no expense to the UNDP. If not destroyed by testing, samples will be returned at Bidder's request and expense, unless otherwise specified.</p> <p>10.3 When applicable and required as per Section 5, the Bidder shall describe the necessary training programme available for the maintenance and operation of the equipment offered as well as the cost to the UNDP. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS.</p> <p>10.4 When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of delivery, or as otherwise specified in this ITB.</p>
11. Price Schedule	<p>11.1 The Price Schedule shall be prepared using the Form provided in Section 6 of the ITB and taking into consideration the requirements in the ITB.</p> <p>11.2 Any requirement described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.</p>
12. Bid Security	<p>12.1 A Bid Security, if required by BDS, shall be provided in the amount and form indicated in the BDS. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid.</p> <p>12.2 The Bid Security shall be included along with the Bid. If Bid Security is required by the ITB but is not found in the Bid, the offer shall be rejected.</p> <p>12.3 If the Bid Security amount or its validity period is found to be less than what is required by UNDP, UNDP shall reject the Bid.</p> <p>12.4 In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS.</p> <p>12.5 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <ul style="list-style-type: none"> a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: <ul style="list-style-type: none"> i. to sign the Contract after UNDP has issued an award; or ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.
13. Currencies	<p>13.1 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison</p>

	<p>of all Bids:</p> <ul style="list-style-type: none"> a) UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bids; and b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.
14. Joint Venture, Consortium or Association	<p>14.1 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture.</p> <p>14.2 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP.</p> <p>14.3 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.</p> <p>14.4 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by UNDP.</p> <p>14.5 A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between:</p> <ul style="list-style-type: none"> a) Those that were undertaken together by the JV, Consortium or Association; and b) Those that were undertaken by the individual entities of the JV, Consortium or Association. <p>14.6 Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials</p> <p>14.7 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.</p>
15. Only One Bid	<p>15.1 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.</p> <p>15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or

	<ul style="list-style-type: none"> c) they have the same legal representative for purposes of this ITB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process; e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
16. Bid Validity Period	<p>16.1 Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive.</p> <p>16.2 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.</p>
17. Extension of Bid Validity Period	<p>17.1 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered integral to the Bid.</p> <p>17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.</p> <p>17.3 The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.</p>
18. Clarification of Bid (from the Bidders)	<p>18.1 Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no obligation to respond or confirm that the query was officially received.</p> <p>18.2 UNDP will provide the responses to clarifications through the method specified in the BDS.</p> <p>18.3 UNDP shall endeavour to provide responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bids, unless UNDP deems that such an extension is justified and necessary.</p>
19. Amendment of Bids	<p>19.1 At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders.</p> <p>19.2 If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.</p>
20. Alternative Bids	<p>20.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative Bid.</p> <p>20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"</p>

21. Pre-Bid Conference	<p>21.1 When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.</p>
c. SUBMISSION AND OPENING OF BIDS	
22. Submission	<p>22.1 The Bidder shall submit a duly signed and complete Bid comprising the documents and forms in accordance with requirements in the BDS. The Price Schedule shall be submitted together with the Technical Bid. Bid can be delivered either personally, by courier, or by electronic method of transmission as specified in the BDS.</p> <p>22.2 The Bid shall be signed by the Bidder or person(s) duly authorized to commit the Bidder. The authorization shall be communicated through a document evidencing such authorization issued by the legal representative of the bidding entity, or a Power of Attorney, accompanying the Bid.</p> <p>22.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the UNDP General Contract Terms and Conditions.</p>
Hard copy (manual) submission	<p>22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows:</p> <p>a) The signed Bid shall be marked "Original", and its copies marked "Copy" as appropriate. The number of copies is indicated in the BDS. All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail.</p> <p>(b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall:</p> <ol style="list-style-type: none"> Bear the name of the Bidder; Be addressed to UNDP as specified in the BDS; and Bear a warning not to open before the time and date for Bid opening as specified in the BDS. <p>If the envelope with the Bid is not sealed and marked as required, UNDP shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.</p>
Email and eTendering submissions	<p>22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows:</p> <ol style="list-style-type: none"> Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS; 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>22.6 Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/</p>

23. Deadline for Submission of Bids and Late Bids	<p>23.1 Complete Bids must be received by UNDP in the manner, and no later than the date and time, specified in the BDS. UNDP shall only recognise the actual date and time that the bid was received by UNDP</p> <p>23.2 UNDP shall not consider any Bid that is received after the deadline for the submission of Bids.</p>
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) a) Evaluation of Technical Bids b) Evaluation of prices

	Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary
28. Preliminary Examination	28.1 UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.
29. Evaluation of Eligibility and Qualification	<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	30.1 The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.
31. Due diligence	<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 works, as deemed necessary; e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder; f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.
32. Clarification of Bids	<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</p>

	<p>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> <ul style="list-style-type: none"> a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail. <p>34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.</p>
E. AWARD OF CONTRACT	
35. Right to Accept, Reject, Any or All Bids	<p>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.</p>
36. Award Criteria	<p>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.</p>
37. Debriefing	<p>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</p>

	and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
38. Right to Vary Requirements at the Time of Award	38.1 At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or services, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
39. Contract Signature	39.1 Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP. Failure to do so may constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security, if any, and on which event, UNDP may award the Contract to the Second highest rated or call for new Bids.
40. Contract Type and General Terms and Conditions	40.1 The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
41. Performance Security	41.1 A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
42. Bank Guarantee for Advanced Payment	42.1 Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&action=default
43. Liquidated Damages	43.1 If specified in the BDS, UNDP shall apply Liquidated Damages for the damages and/or risks caused to UNDP resulting from the Contractor's delays or breach of its obligations as per Contract.
44. Payment Provisions	44.1 Payment will be made only upon UNDP's acceptance of the goods and/or services performed. The terms of payment shall be within thirty (30) days, after receipt of invoice and certification of acceptance of goods and/or services issued by the proper authority in UNDP with direct supervision of the Contractor. Payment will be effected by bank transfer in the currency of the contract.
45. Vendor Protest	45.1 UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures: http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html

46. Other Provisions	<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>
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Section 3. Bid Data Sheet

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

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Not Allowed
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid conference	Will not be conducted
5	16	Bid Validity Period	90 days
6	13	Bid Security	Not Required
7	41	Advanced Payment upon signing of contract	Not Allowed
8	42	Liquidated Damages	Will be imposed as follows: Percentage of contract price per day of delay: 0.5% Max. number of days of delay 15, after which UNDP may terminate the contract.
9	40	Performance Security	Required :10% of the total contract amount
10	12	Currency of Bid	United States Dollar
11	31	Deadline for submitting requests for clarifications/ questions	6 days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	Focal Person in UNDP: Getachew Araya Address: Baku, Gambia E-mail address: getachew.araya@undp.org

13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Direct communication to prospective Proposers by email and Posting on the website procurement.notices.undp.org
14	23	Deadline for Submission	28 November 2020 at 12:00 PM GMT For eTendering submission - as indicated in eTendering system. Note that system time zone is in EST/EDT (New York) time zone. The deadline and any potential changes to it will be in eTendering system and in case of discrepancies, the deadline in the system will prevail.
14	22	Allowable Manner of Submitting Bids	<input checked="" type="checkbox"/> e-Tendering
15	22	Bid Submission Address	<u>[For eTendering method, keep link below and insert Event ID information]</u> https://etendering.partneragencies.org <u>Insert BU Code and Event ID number</u>
16	22	Electronic submission (email or eTendering) requirements	<ul style="list-style-type: none"> Format: PDF files only File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. All files must be free of viruses and not corrupted. Max. File Size per transmission: 10 MB Mandatory subject of email: ITB No: 2020/UNDP/GAM/OPS/129 Construction of LV Lines in North Bank Region, The Gambia Documents which are required in original (e.g. Bid Security) should be sent to the below address with a PDF copy submitted as part of the electronic submission: UNDP Gambia 5 Kofi Annan Street, Cape Point, Bakau, P.O Box 553 Banjul, Gambia
17	25	Date, time and venue for the opening of bid	Date and Time: November 28, 2020 12:00 PM Venue: UNDP, UN House, 5 Kofi Annan, Bakau (Electronically) In the case of e-Tendering submission, bidders will receive an automatic notification once their Bids are opened.
18	27, 36	Evaluation Method for the Award of Contract	Lowest priced technically responsive, eligible and qualified bid.
19		Expected date for commencement of Contract	<i>December 4, 2020</i>

20		Maximum expected duration of contract	4 months
21	35	UNDP will award the contract to:	One Proposer Only
22	39	Type of Contract	Contract for Goods and/or Services to UNDP http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Contracts http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24		Other Information Related to the ITB	<i>[All other instructions and information not yet mentioned so far in this Data Sheet but are relevant to the ITB must be cited here, and any further entries that may be added below this table row]</i>

Section 4. Evaluation Criteria

Preliminary Examination Criteria

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

- Appropriate signatures
- Power of Attorney
- Minimum Bid documents provided
- Bid Validity
- Bid Security (if required) submitted as per ITB requirements with compliant validity period

Minimum Eligibility and Qualification Criteria

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

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

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

Previous Experience	Minimum ten (10) years of relevant experience.	Form D: Qualification Form
	Minimum three (3) contracts of similar value, nature and complexity implemented over the last five (5) years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
Financial Standing	Minimum average annual turnover of USD 1,400,000 for the last 5 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
Technical Evaluation	The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document.	Form E: Technical Bid Form
Financial Evaluation	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) Comparison with budget/internal estimates.	Form F: Price Schedule Form

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

ITB Scope of the Works (SoW) and Work Schedules

GENERAL INFORMATION

Works Description:	Construction of LV Lines in North Bank Region, The Gambia
Project/Program Title:	Project for Accelerated Community Development (PACD) – Rural Electrification Project (Phase 2)
Design Review Unique ID:	
Workstation:	NBR, The Gambia
Type of the Contract:	
Construction Duration:	4 months
Expected Start Date:	December 2020

I. PROJECT

BACKGROUND

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

In 2016, LV poles were erected in 10 villages of the North Bank Region (NBR) with the aim of providing electricity to the rural communities, however, circumstances at the time could not allow for works to be completed.

The objective of this intervention is the completion of the construction of the LV lines in order to provide electricity to the rural communities.

II. GENERAL DESCRIPTION OF THE WORKS

The project is in one component, which involves:

- i. Supply and installation of transformers;
- ii. Installation of stringing lines;
- iii. Shifting, relocation and alignment of existing poles;
- iv. Pole foundation construction.

III. SPECIFICATIONS

1.1 Technical Specifications:

1.	Manufacturing standards	IEC 60076-1
2	Product type	Transformer with conservator
3	Service type/cooling method	Continuous service / ONAN
4	Rated power	kVA
5	Rated voltages	HV /LV (kv) 30 kv/0,4v

6	Tapping range & no of taps (HV,Off-load tap changer)		5taps	+2 x 2,50%
7	Number of phases		3	
8	Frequency	Hz	50	
9	Connection group		Dyn11	
	Cooling medium		ONAN	
10	No-load losses	W		
11	Load losses	W		
12	Impedance voltages (at 75°C and nom. Pos.)	%	4 +- 10%	
13	No load current	%	2,1 + %30	
14	Max, Ambient Temperature	°C	50	
15	Temperature Rise			
	i) Windings	K	55	
	ii) Oil	K	50	
16	Core Type		Core-cold rolled grain oriented	
17	HV and LV windings		Electrolytic copper	
18	Tank cover		Bolted	
	Type of Insulation		Out door	
19	Method of connection: HV: LV :		Delta Star	
21	Short-Circuit withstand duration	s	2	
22	Insulation levels		70 KV peak	
	i) One-minute power frequency withstand voltage			
	ii) Lightning impulse withstand voltage		175 KV peak -	
23	Insulation class		Class A	
	Notes			
	Bushings are porcelain type. Accessories: Oil level indicator, thermometer, dehydrating breather			

Transformer Technical Specification

Conductor bare

AAAC,OHL,TO DIN-48201 1 x 50mm

Arrestor MV

MV - surge Arresters for 33KVnetwork, 10KA Including Mounting Bracket

Sets of suspension units for insulated

Neutral messenger N54, 6 - containing 1 Alum/ALLOY - Bracket and Suspension Clamp (Fixed on pole with bolt M14/M16 or 2 stainless steel straps 20 ×20, 7mm)

Horizontal Cross-arm Dead End
Galvanized U Profile (U 100x 60 x 8 mm)

Connectors

Piercing connectors for LV ABC conductor Parallel type, 1 bolt M8 Cond size 25-95/6-70mm²

Piercing connectors for LV ABC conductor Parallel type, 2 bolts M8 Cond size 50-95/50-95mm²

Aerial Bundle Conductors Twisted cable

Aerial Bundled Conductor 3 PHASES + NEUTRAL,XLPE 0.6/1kV
Stranded Aluminium Alloy Conductor (Neutral / Messenger- IEC 60208)
Stranded Aluminium Conductor (Phase or street lighting conductor- IEC 60228)
3 x70 +50 +16mm
3 x 50 +35 +16mm
3 x 35 +25 +16mm

Bolts with nuts - steel, hot dip galvanised
M16 × 120mm

Double arming bolts with 2 nuts steel hot dip galvanized

PILLAR Unit

LV Feeder pillars for transformer **50-200KVA**

1 incoming feeder NH2/400A

3 outgoing feeders for NH Fuses Size 2

Measuring System including:

KWH meter

3 Ampere meters with maximum indicator/5A

Single phase socket 16 A

Light bulb holder for Panel illumination

LV Feeder pillars for transformer **250KVA**

1 incoming feeder load breaker 400A

1 Street Lighting Feeder with KWH meter and accessories

3 outgoing feeders for NH Fuses Size 2

Measuring System including:

KWH meter

3 Ampere meters with maximum indicator/5A

Single phase socket 16 A

Light bulb holder for Panel illumination

Sets of stringing units (dead end for insulated Neutral messenger N54, 6 mm containing 1 Alum/ALLOY - BRACKET (Fixed on pole with bolt M14/M16 or 2 stainless steel straps 20 ×20, 7mm) 1 anchoring clamp, conical wedge type,

Concrete poles

L = 28 ft, 400 daN, Intermediate Poles

L = 32 ft 800 daN, Dead End, T-Off poles, Load break

Fuse cut out

MV - Fuse cut-out, load breaking

UN = 33KV

IN = 100A

Supplied with mounting brackets

Earthing materials

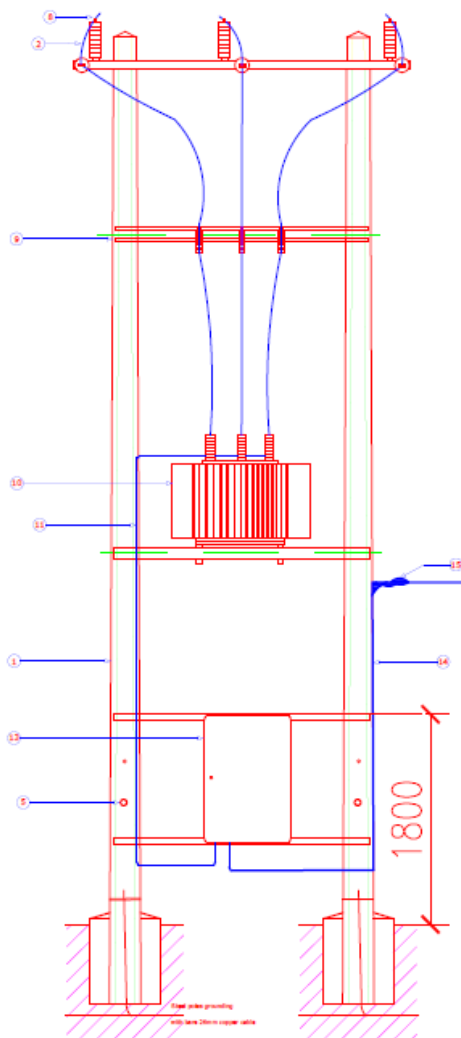
Steel - flat - strip, according to DIN 48801 Zinc coating 500g/m², Dimension = 30 ×3.5mm.

Deep driven earth rods, according to DIN 48852 with lead ball coupling joint. diameter = 20mm L = 1500mm

Driving heads for earth rods described

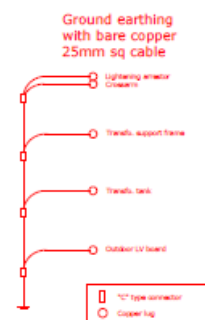
Connecting clamps, ST/ZN, for rods 20mm diameter to conductor Rd 8-12.5 diameter and flatstrip 30 ×3.5mm stainless steel screws and nuts.

Cross-connectors St/Zn, for connections above and below ground level, without intermediate plate (according DIN 48845) for flatstrip to flatstrip up to FL40



LEGEND			
Ref	Qty	Designation	Ref
1	2	8-pole assembly with 12 to 14m 1350daN galva. steel poles	
2	3	Line strap with Alu parallel groove connector	
3	1	Dead end gantry crossarm	
4	3	Tension string with 3 disk insulators	
5	2	Danger plate "Danger plate of DEATH"	
6	2	Pole grounding system with bare 25sqmm Cu cable	
7	1	Grounding earthing system with bare 25sqmm Cu cable	
8	3	Surge arrester with insulated support + disconnect device	
9	3	Cut out fuse 33KV	
10	1	33/0.4KV transformer 250KV with supporting frame	
11	6	4x150sqmm single core LV Cu cable	
12			
13	1	Outdoor LV board 4 feeders with supporting frames and street light	
14	-	LV ABC 3x70+54.6 sqmm	
15	1	Single anchoring assembly for ABC 3x70+54.6 sqmm	

GROUND EARTHING PRINCIPLE



IV. DRAWINGS

Refer Annexures

V. BILLS OF QUANTITIES (BOQ)

Refer to Price Schedule Section of this Bid or Annexures

VI.

PROGRAMME

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

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

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

The Contract Programme must also be resource loaded and include material, plant and

labour. The Contract Programme must be accompanied by and/or detail:

- (a) a general description of the **arrangements and methods** which the Contractor proposes to adopt

for carrying out the Works;

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

VIII. REPORTING REQUIREMENTS

The contractor shall submit the below reports:

Monthly Report with the following minimum information:

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

IX. DOCUMENTATION

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

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

- ☐ Financial updates: Payments made and the outstanding balances

X. TIMING, MILESTONES

The Contractor shall comply with the following timing requirements:

- a. **Mobilization Period:** mobilization shall commence within thirty (10) calendar days after signing of the contract. It shall include the following activities during this time:
 - ☐ Site Possession;
 - ☐ Setting out
 - ☐ Submission of Work Program;
 - ☐ Submission of Safety and Health (H&S) and Environment Management Plans;
 - ☐ Arrangement and submission of Bank Guarantee (BG) for Performance;
 - ☐ Site Preparations such as site office, storage areas, access to the workmen and equipment etc;
 - ☐ Resource Mobilization to the site; and
- b. **Construction of Sub-structure:**
 - ☐ Excavation: Site Clearing, Excavation for foundation of the steel tanks
 - ☐ Concrete work: Reinforced concrete for foundation slab of steel tanks.
 - ☐ Backfill around the foundation with selected material and well ram with 95% proctor
- c. **Construction of Transformers and Installation of Strings:**
 - ☐ Arrestors
 - ☐ Fuse Cut-out
 - ☐ Pillar Unit
 - ☐ Main Line Tap for Bare Conductor
 - ☐ Earthing
 - ☐ Steel & Concrete Poles
- d. **Replacement of Damaged Concrete Poles:**
 - ☐ Concrete Poles
- e. **Construction of Pole Foundations:**
- f. **Defects Liability Period (DLP): 12 Months**

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

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

XI. ABBREVIATIONS

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

Abb.	Descriptions
kva	Kilo voltage
pcs	Pieces
m	Meter
m²	square meter
m³	cubic meter
mm	Millimeter
Nr.	Number

GMD	Gambian Dalasi
OHM	Ohms
dan	Dutch Standard for Poles
LV	Low voltage
MV	Medium Voltage
GMS	Galvanized mild steel
LS	Lump Sum
PS	Provisional Sum

XII. ORGANIZATIONAL REQUIREMENTS AND KEY PERSONNEL

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

- ☐ Bidder must have a minimum of **ten (10) years'** experience in construction sector and satisfactorily completed at least **three (3)** similar projects in the last **five (5) years**. The Bidder must also demonstrate its ability to complete high quality works by attaching **at least three (3) of references** with full contact details as per the template preferably from clients such as UN Agencies, international NGOs, Multinational companies, etc.;
- ☐ It should be **GC Three and above Category** certified by **legislative authority**
- ☐ Current Ratio (Current Asset / Current Liability) **MUST be at least 1.00**
- ☐ **Financial capability – Sales Turnover:** Bidders should have average annual sales turnover of **minimum USD 1,400,000.00** the last five (5) years;
- ☐ Prospect Contractor/Bidder must demonstrate financial capacity through provision of the past **TWO RECENT AUDITED FINANCIAL STATEMENTS**;
- ☐ Prospect Contractor/Bidder in its technical proposal shall demonstrate its capabilities and understanding of the Scope of Works (SOWs), Bill of Quantities (BoQ) and Drawings.
- ☐ **At Least Three (3) such references** must be declared and duly signed and stamped testimonials are attached by the Bidder with full contact details.
- ☐ Experience working with UN, other international organizations and/or NGOs is advantageous.
- ☐ Provide a brief description of the organization / firm financial standing which clearly indicate its financial strength to Technical Panel who will appraise the proposal.
- ☐ Provide tabular summary of the respective Audited Financial and/or its equivalent Statements (Income Statement and Balance Sheet) **in the last two (2) years**.
- ☐ There should not be any adverse report regarding the construction service for at least five (5) years preceding the date of bid opening;

XIII. ESSENTIAL EQUIPMENT / MACHINERIES REQUIREMENTS

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

No.	Assets/Machineries	Minimum Number Required per Site		Remarks (if any)
		Zalengei		
1	Excavators		1	<i>Certificates of ownership or lease/rent agreement need to be attached when submitting</i>
2	Dump trucks – 16 m³ capacity		1	>>>

4	Concrete mixer (1000 litre)		1	>>	>>	>>
5	4 WD Pickup		1	>>	>>	>>
6	Metal Scaffolding & shuttering - 50 m ²		1	>>	>>	>>
7	Lifting tool, Mobil or fixed Crane for lifting Goods up to 15m above ground		1	>>	>>	>>
8	Plate compactor		1			
9	Concrete vibrator		1			
10	Water pump		1			
11	Welding machine		2			
12	Survey Equipment (Total Station)		1			
13	Diesel generator		1			

XIV. PAYMENT MODALITY AND AUTHORITY

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

XV. INSURANCE POLICY REQUIREMENTS

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

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

IMPORTANT:

Designs and Bill of quantities (BoQ) are provided in attachment. Should you miss them, please feel free to contact us as mentioned on point no 12 of the Bid Data Sheet above.

Section 5b: Other Related Requirements

Further to the Schedule of Requirements in the preceding Table, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfillment of the requirements: *[check the condition that applies to this ITB, delete the entire row if condition is not applicable to the goods being procured]*

Delivery Term [INCOTERMS 2020] (Pls. link this to price schedule)	DPU Central River Region/Gambia
Exact Address of Delivery/Installation Location	Central River Region/Gambia
Installation Requirements	Required
Testing Requirements	Required
Scope of Training on Operation and Maintenance	Required
Commissioning	Required
After-sale services Requirements	<input checked="" type="checkbox"/> Warranty on Parts and Labor for minimum period of 12 months <input checked="" type="checkbox"/> Provision of Service Unit when pulled out for maintenance /repair
Payment Terms (max. advanced payment is 20% as per UNDP policy)	100% within 30 days upon UNDP's acceptance of the goods delivered as specified and receipt of invoice
Conditions for Release of Payment	<input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements
All documentations, including catalogues, instructions and operating manuals, shall be in this language	English

Section 6: Returnable Bidding Forms / Checklist

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

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

Technical Bid:

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

Price Schedule:

▪ Form F: Price Schedule Form	<input checked="" 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 contact for requests for clarifications during Bid evaluation	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
Please attach the following documents:	<ul style="list-style-type: none"> Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured

- Certificate of Incorporation/ Business Registration
- Tax Registration/Payment Certificate issued by the Internal Revenue Authority evidencing that the Bidder is updated with its tax payment obligations, or Certificate of Tax exemption, if any such privilege is enjoyed by the Bidder
- Trade name registration papers, if applicable
- Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any
- Environmental Compliance Certificates, Accreditations, Markings/Labels, and other evidences of the Bidder's practices which contributes to the ecological sustainability and reduction of adverse environmental impact (e.g., use of non-toxic substances, recycled raw materials, energy-efficient equipment, reduced carbon emission, etc.), either in its business practices or in the goods it manufactures
- Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder
- Certification or authorization to act as Agent on behalf of the Manufacturer, or Power of Attorney.
- Export Licenses, if applicable
- Local Government permit to locate and operate in assignment location, if applicable
- Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country

Form C: Joint Venture/Consortium/Association Information Form

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

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

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

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

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

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

Name of partner:

Signature: _____

Date: _____

Name of partner:

Signature: _____

Date: _____

Name of partner:

Signature: _____

Date: _____

Name of partner:

Signature: _____

Date: _____

Form D: Eligibility and Qualification Form

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

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

History of Non- Performing Contracts

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

Litigation History (including pending litigation)

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

Previous Relevant Experience

Please list only previous similar assignments successfully completed in the last 3 years.

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

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

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

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

Financial Standing

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

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

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

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

Form E: Format of Technical Bid

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

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

SECTION 1: Bidder's qualification, capacity and expertise

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

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

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

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

Goods and services to be Supplied and Technical	Your response			
	Compliance with technical specifications	Delivery Date (confirm that you	Quality Certificate/Exp	Comments

Specifications	Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	<i>comply or indicate your delivery date)</i>	Port Licenses, etc. <i>(indicate all that apply and attach)</i>	

SECTION 3: Management Structure and Key Personnel

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

Format for CV of Proposed Key Personnel

Name of Personnel	[Insert]
Position for this assignment	[Insert]
Nationality	[Insert]
Language proficiency	[Insert]
Education/Qualifications	<i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i> [Insert]
Professional certifications	<i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert]
Employment Record/Experience	<i>[List all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. For experience in last five years, detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.]</i> [Insert]
References	<i>[Provide names, addresses, phone and email contact information for two (2) references]</i>

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

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

Signature of Personnel

Date (Day/Month/Year)

FORM F: Price Schedule Form

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

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

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

Currency of the Bid: USD

Price Schedule

AMOUNT SUMMARY FOR Construction of LV Lines in North Bank Region, The Gambia	
	Total Price [USD]
SAMBA KALA	
CHAMEN	
ALJAMDU	
NJOUFAIN	
MUNYAGEN	
DARSILAMI	
NUIMI LAMIN	
SITA NUNKU	
TOUBA KOLONG	
BANTTANG KILLING	
TOTAL AMOUNT: USD	-

**PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR KERR SAMBA
KALA**

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS	30kv	set	1		
3	FUSE CUTOUT	30kv	set	1		
4	PC CONNECTORS		pcs	6		
5	PILLAR UNIT	30kv	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	EARTHING LESS THAN 10 OHM			1		
8	MV STEEL POLE	850dan	pcs	1		
9	MV STEEL POLE	1600dan	pcs	0		
10	ADDITIONAL CONCRETE POLE	28'	pcs	9		
11	ADDITIONAL CONCRETE POLE	32'	pcs	6		
12	POLES TO BE REPLACED		pcs	0		
13	BOLT & NUT	9 x 5/8	pcs	95		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	67		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	40		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	10		
17	SUPPLY OF CONNECTOR	2S70,150	pcs	79		
18	RILSAN TIE	C55,96	pcs	312		
19	END CAP	CRR1670	pcs	96		
20	TWISTED CABLE 4X 70mm		meters	4375		

21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					-
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	95		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	40		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	40		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2 20MM AGGREGATE SIZE SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	13		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	10		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	17		

4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					-
	TOTAL					-
	ALLOW FOR CONTINGENCY					-
	GRAND TOTAL					-

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR CHAMEN

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS		set	1		
3	FUSE CUT-OUT		set	1		
4	PILLAR UNIT		pcs	1		
5	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	6		
6	EARTHING LESS THAN 10 OHM			1		
7	MV STEEL POLE	850dan	pcs	1		
8	MV STEEL POLE	1600dan	pcs	0		
10	ADDITIONAL CONCRETE POLE	28'		7		
11	ADDITIONAL CONCRETE POLE	32'		5		

12	POLES TO BE REPLACED			0		
13	BOLT & NUT	9 x 5/8	pcs	121		
14	SUSPENSION ASSEMBLY	ES 1500	pcs	109		
15	SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	85		
16	DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	10		
17	CONNECTOR	2S70,150	pcs	114		
18	RILSAN TIE	C55,96	pcs	401		
19	END CAP	CRR1670	pcs	120		
20	TWISTED CABLE 4X 70mm		meters	5608		
21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	119		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	50		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	50		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			

	CONCRETE					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2</u> <u>20MM AGGREGATE SIZE SCREEN</u> <u>GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	20		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	11		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	18		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY					
	GRAND TOTAL					-

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR ALJAMDU

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS	30KV	set	1		
3	FUSE CUT-OUT	30KV	set	1		
4	PC CONNECTORS		pcs	6		
5	PILLAR UNIT	30KV	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	EARTHING LESS THAN 10 OHM			1		
8	MV STEEL POLE	850dan	pcs	1		
9	MV STEEL POLE	1600dan	pcs	0		
10	ADDITIONAL CONCRETE POLE	28'	pcs	21		
11	ADDITIONAL CONCRETE POLE	32'	pcs	5		
12	POLES TO BE REPLACED		pcs	0		
13	BOLT & NUT	9 x ⁵ / ₈	pcs	112		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	91		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	38		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	2		
17	SUPPLY OF CONNECTOR	2S70,150	pcs	80		
18	RILSAN TIE	C55,96	pcs	342		
19	END CAP	CRR1670	pcs	72		
20	TWISTED CABLE 4X 70mm		meters	5471		

21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					-
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	98		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	41		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	41		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2 20MM AGGREGATE SIZE SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	7		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	12		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	22		

4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					-
	TOTAL					-
	ALLOW FOR CONTINGENCY					-
	GRAND TOTAL					-

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR NJOUFAIN

ITE M	MATERIALS & DESCRIPTION	SIZE	UNIT	QT Y	UNIT PRIC E	TOTAL
A	<u>ELECTRICAL WORKS</u>					

1	TRANSFORMER (30KV)	50kva	pcs	1		
2	ARRESTORS	30KV	set	1		
3	FUSE CUT-OUT	30KV	set	1		
4	PC CONNECTORS		pcs	6		
5	MOSDOFAR	30KV	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95m m	pcs	12		
7	EARTHING LESS THAN 10 OHM			1		
8	MV STEEL POLE	850dan	pcs	1		
9	MV STEEL POLE	1600dan	pcs			-
10	ADDITIONAL CONCRETE POLES	28'	pcs	0		-
11	ADDITIONAL CONCRETE POLES	32'	pcs	1		
12	POLES TO BE REPLACED		pcs	1		
13	BOLT & NUT	9 x ⁵ / ₈	pcs	13		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	5		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	9		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	2		
17	SUPPLY OF CONNECTOR	2S70,15 0	pcs	16		
18	RILSAN TIE	C55,96	pcs	45		
19	END CAP	CRR167 0	pcs	20		
20	TWISTED CABLE 4X 70mm	70 mm ²	meter s	500		
21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		

23	TRANSPORTATION			1		
	SUB-TOTAL					
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	13		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	6		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	6		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2 20MM AGGREGATE SIZE SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	4		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	1		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	2		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		

5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY					
	GRAND TOTAL					

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR MUNYAGEN

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS	30KV	set	1		

3	FUSE CUT-OUT	30KV	set	1		
4	PC CONNECTORS		pcs	6		
5	PILLAR UNIT	30KV	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	EARTHING LESS THAN 10 OHM			1		
8	MV STEEL POLE	850dan	pcs	1		
9	MV STEEL POLE	1600dan	pcs	0		
10	ADDITIONAL CONCRETE POLE	28'	pcs	0		
11	ADDITIONAL CONCRETE POLE	32'	pcs	3		
12	POLES TO BE REPLACED		pcs	0		
13	BOLT & NUT	9 x ⁵ / ₈	pcs	125		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	86		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	53		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	8		
17	SUPPLY OF CONNECTOR	2S70,150	pcs	106		
18	RILSAN TIE	C55,96	pcs	399		
19	END CAP	CRR1670	pcs	112		
20	TWISTED CABLE 4X 70mm		m	5516		
21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					-

B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	121		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	51		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	51		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2 20MM AGGREGATE SIZE SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	12		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	14		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	25		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	2		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			

	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY					-
	GRAND TOTAL					-

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR DARSILAMI

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS	30KV	set	1		
3	FUSE CUT-OUT	30KV	set	1		

4	PC CONNECTORS		pcs	6		
5	PILLAR UNIT	30KV	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	EARTHING LESS THAN 10 OHM		pcs	1		
8	MV STEEL POLE	850dan	pcs			
9	MV STEEL POLE	1600dan	pcs	1		
10	ADDITIONAL CONCRETE POLE	28'	pcs	1		
11	ADDITIONAL CONCRETE POLE	32'	pcs	3		
12	POLES TO BE REPLACED	32'	pcs	1		
13	BOLT & NUT	9 x 5/8	pcs	85		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	59		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	44		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	5		
17	SUPPLY OF CONNECTOR	2S70,150	pcs	80		
18	RILSAN TIE	C55,96	pcs	270		
19	END CAP	CRR1670	pcs	92		
20	TWISTED CABLE 4X 70mm		m	4947		
21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					-

B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	85		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	36		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	36		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2 20MM AGGREGATE SIZE SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	14		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	8		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	14		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY					
	GRAND TOTAL					

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR NUIMI LAMIN

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	160kva	pcs	1		
2	ARRESTORS	30KV	set	1		
3	FUSE CUT-OUT	30KV	set	1		
4	PC CONNECTORS		pcs	6		
5	MOSDOFAR	30KV	pcs	1		

6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	BARE ALUMINIUM CONDUCTOR		meters	968		
8	EARTHING LESS THAN 10 OHM		Item	Item		
9	MV STEEL POLES	850dan	pcs	3		
10	MV STEEL POLES	1600dan	pcs	2		
11	ADDITIONAL CONCRETE POLE	28'	pcs	0		
12	ADDITIONAL CONCRETE POLE	32'	pcs	2		
13	POLES TO BE REPLACED		pcs	0		
14	BOLT & NUT	9 x 5/8	pcs	67		
15	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	44		
16	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	25		
17	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	7		
18	SUPPLY OF CONNECTOR	2S70,150	pcs	46		
19	RILSAN TIE	C55,96	pcs	222		
20	END CAP	CRR1670	pcs	60		
21	TWISTED CABLE (4 x 70mm)		m	2823		
22	TRIMMING		Item	1		
23	LABOUR COST		Item	1		
24	TRANSPORTATION		Item	1		
	SUB-TOTAL					-
B	<u>CIVIL WORKS</u>					

	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	71		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	30		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	30		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	<u>CONCRETE</u>					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2</u> <u>20MM AGGREGATE SIZE SCREEN</u> <u>GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	9		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	10		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	18		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					

	TOTAL					
	ALLOW FOR CONTINGENCY		10%			
	GRAND TOTAL					

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR SITA NUNKU

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	160kva	pcs	1		
2	ARRESTORS		set	1		
3	FUSE CUT-OUT		set	1		
4	MOSDOFAR		pcs	1		
5	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	6		
6	EARTHING LESS THAN 10 OHM		ITEM	1		

7	MV STEEL POLE	850dan	pcs	1		
8	MV STEEL POLE	1600dan	pcs	0		
9	ADDITIONAL CONCRETE POLE	28'	pcs	20		
10	ADDITIONAL CONCRETE POLE	32'	pcs	3		
11	POLES TO BE REPLACED	32'	pcs	1		
12	BOLT & NUT	9 x 5/8	pcs	105		
13	SUSPENSION ASSEMBLY	ES 1500	pcs	88		
14	SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	41		
15	DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	5		
16	CONNECTOR	2S70,150	pcs	60		
17	RILSAN TIE	C55,96	pcs	384		
18	TRIMMING & CUTTING			1		
19	END CAP	CRR1670	pcs	104		
20	TWISTED CABLE 4X 70mm		meters	3595		
21	LABOUR COST			1		
22	TRANSPORTATION			1		
23	TRANSPORTATION		Item	1		
	SUB-TOTAL					
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					

1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	84		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	35		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	35		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	CONCRETE					
	<u>PLAIN IN-SITU CONCRETE</u> <u>20N/MM2 20MM AGGREGATE SIZE</u> <u>SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	9		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	10		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	17		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY		10%			

	GRAND TOTAL					

PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR TOUBA KOLONG

ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	160kva	pcs	1		
2	ARRESTORS	30KV	set	1		
3	FUSE CUT-OUT	30KV	set	1		
4	PC CONNECTORS		pcs	6		
5	MOSDOFAR	30KV	pcs	1		
6	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	12		
7	EARTHING LESS THAN 10 OHM			1		
8	MV STEEL POLE	850dan	pcs	1		

9	MV STEEL POLE	1600dan	pcs	0		
10	ADDITIONAL CONCRETE POLE	28'	pcs	0		
11	ADDITIONAL CONCRETE POLE	32'	pcs	1		
12	POLES TO BE REPLACED		pcs	0		
13	BOLT & NUT	9 x 5/8	pcs	68		
14	SUPPLY OF SUSPENSION ASSEMBLY	ES 1500	pcs	53		
15	SUPPLY OF SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	25		
16	SUPPLY OF DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	1		
17	SUPPLY OF CONNECTOR	2S70,150	pcs	48		
18	RILSAN TIE	C55,96	pcs	207		
19	END CAP	CRR1670	pcs	52		
20	TWISTED CABLE 4X 70mm		meters	3381		
21	TRIMMING & CUTTING			1		
22	LABOUR COST			1		
23	TRANSPORTATION			1		
	SUB-TOTAL					-
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	70		

2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	29		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	29		
4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	CONCRETE					
	<u>PLAIN IN-SITU CONCRETE 20N/MM2</u> <u>20MM AGGREGATE SIZE SCREEN</u> <u>GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	8		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	8		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	14		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY		10%			
	GRAND TOTAL					


PROPOSED 160KVA TRANSFORMER & LV NETWORK FOR BANTANG KILING


ITEM	MATERIALS & DESCRIPTION	SIZE	UNIT	QTY	UNIT PRICE	TOTAL
A	<u>ELECTRICAL WORKS</u>					
1	TRANSFORMER (30KV)	250kva	pcs	1		
2	ARRESTORS		set	1		
3	FUSE CUT-OUT		set	1		
4	PILLAR UNIT		pcs	1		
5	MAIN LINE TAP FOR BARE CONDUCTOR	70/95mm	pcs	6		
6	EARTHING LESS THAN 10 OHM			1		
7	MV STEEL POLE	850dan	pcs	1		
8	MV STEEL POLE	1600dan	pcs			
9	ADDITIONAL CONCRETE POLE	28'	pcs	1		
10	ADDITIONAL CONCRETE POLE	32'	pcs	4		


11	POLES TO BE REPLACED		pcs	0		
12	BOLT & NUT	9 x 5/8	pcs	71		
13	SUSPENSION ASSEMBLY	ES 1500	pcs	41		
14	SINGLE ANCHOR ASSEMBLY	EA 1500	pcs	26		
15	DOUBLE ANCHOR ASSEMBLY	EAD 1500	pcs	6		
16	CONNECTOR	2S70,150	pcs	32		
17	RILSAN TIE	C55,96	pcs	231		
18	END CAP	CRR1670	pcs	72		
19	TWISTED CABLE 4X 70mm		meters	3960		
20	TRIMMING & CUTTING			1		
21	LABOUR COST			1		
22	TRANSPORTATION			1		
	SUB-TOTAL					<u>-</u>
B	<u>CIVIL WORKS</u>					
	<u>DEMOLITION, EXCAVATION, FILLING AND SITE CLEARANCE</u>					
1	CLEAR ALL SHRUBS, WEEDS AND DEBRIS AROUND AREA OF PIT		m2	71		
2	EXCAVATE TO RECEIVE FOUNDATION PIT (500 x 600 x 1400mm)		m3	30		
3	SPREAD NEATLY EXCAVATED MATERIALS AROUND AREA OF PIT		m3	30		


4	ALLOW FOR REMOVAL, SHIFTING AND REALIGNMENT OF EXISTING POLES AND MAKE GOOD AREAS AFFECTED		lumpsum			
	CONCRETE					
	<u>PLAIN IN-SITU CONCRETE</u> <u>20N/MM2 20MM AGGREGATE SIZE</u> <u>SCREEN GRAVEL MIX RATIO 1:2:4</u>					
1	POLE FOUNDATION FOOTING FOR ANGLE AND DEAD END POLES (500X600X1400MM)	28'/32'	m3	10		
2	POLE FOUNDATION FOOTING FOR INTERMEDIATE POLES (500X600X500MM)	28'/32'	m3	7		
3	BOULDER STONES FOR INTERMEDIATE POLES (500X600X900MM)		m3	13		
4	POLE FOUNDATION FOR MV POLES AND TRANSFORMER POLES	28'/32'	m3	1		
5	SITE CLEANING UPON COMPLETION OF THE WORK		lumpsum			
	SUB-TOTAL					
	TOTAL					
	ALLOW FOR CONTINGENCY					
	GRAND TOTAL					


Under “[Price Schedule Financial Proposal](#)” the pdf and Excel File Names shall have the following details


 1_Returnable schedule -Priced BOQ KERR SAMBA- KALA Site


 1_Returnable schedule -Priced BOQ KERR SAMBA- KALA Site


 2_Returnable schedule -Priced BOQ CHAMEN Site


 2_Returnable schedule -Priced BOQ CHAMEN Site


 3_Returnable schedule -Priced BOQ ALJAMDU Site


 3_Returnable schedule -Priced BOQ ALJAMDU Site


 4_Returnable schedule -Priced BOQ NJOUFAIN Site

 4_Returnable schedule -Priced BOQ NJOUFAIN Site

 5_Returnable schedule -Priced BOQ MUNYAGEN Site


 5_Returnable schedule -Priced BOQ MUNYAGEN Site


 6_Returnable schedule -Priced BOQ DARSILAMI Site

 6_Returnable schedule -Priced BOQ DARSILAMI Site

 7_Returnable schedule -Priced BOQ NUIMI LAMIN Site


 7_Returnable schedule -Priced BOQ NUIMI LAMIN Site

 8_Returnable schedule -Priced BOQ SITA NUNKU Site

 8_Returnable schedule -Priced BOQ SITA NUNKU Site

 9_Returnable schedule -Priced BOQ TOUBA KOLONG Site

 9_Returnable schedule -Priced BOQ TOUBA KOLONG Site

 10_Returnable schedule -Priced BOQ BANTTANG KILLING

 10_Returnable schedule -Priced BOQ BANTTANG KILLING

Name of Bidder: _____

Authorised signature: _____

Name of authorised signatory: _____

Functional Title: _____

address and email address]

[insert: