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INVITATION TO BID

CONSTRUCTION OF EXTERNAL POWER SUPPLY TO PUMPING STATIONS ON DARYELIK ARNA CANAL IN YANGIBAZAR AND URGENCH DISTRICTS OF KHOREZM REGION

ITB No.: ITB/006/18

Project: UNITED NATIONS DEVELOPMENT PROGRAMME

Country: UZBEKISTAN

Issued on: 8 October 2018

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SECTION 1. LETTER OF INVITATION

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

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

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

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

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

Name: Procurement Unit

Title:

Date: **October 8, 2018**

SECTION 2. INSTRUCTION TO BIDDERS

| GENERAL PROVISIONS | |
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| Introduction | <p>1.1 Bidders shall adhere to all the requirements of this ITB, including any amendments made in writing by UNDP. This ITB is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement which can be accessed at https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</p> <p>1.2 Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.</p> <p>1.3 UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p> <p>1.4 As part of the bid, it is desired that the Bidder registers at the United Nations Global Marketplace (UNGM) website (www.ungm.org). The Bidder may still submit a bid even if not registered with the UNGM. However, if the Bidder is selected for contract award, the Bidder must register on the UNGM prior to contract signature.</p> |
| Fraud & Corruption, Gifts and Hospitality | <p>1.5 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/offic_e_of_audit_andinvestigation.html#anti</p> <p>1.6 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>1.7 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>1.8 All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at http://www.un.org/depts/ptd/pdf/conduct_english.pdf</p> |
| Eligibility | <p>1.9 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>1.10 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> |

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| Conflict of Interests | <p>1.11 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>1.12 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>1.13 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>1.14 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

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| General Considerations | <p>1.15 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>1.16 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> |
| Cost of Preparation of Bid | <p>1.17 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> |
| Language | <p>1.18 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> |
| Documents Comprising the Bid | <p>1.19 The Bid shall comprise of the following documents and related forms which details are provided in the BDS:</p> <ul style="list-style-type: none"> a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; |

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| | <p>d) Bid Security, if required by BDS;</p> <p>e) Any attachments and/or appendices to the Bid.</p> |
| Documents Establishing the Eligibility and Qualifications of the Bidder | <p>1.20 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> |
| Technical Bid Format and Content | <p>1.21 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB.</p> <p>1.22 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>1.23 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>1.24 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> |
| Price Schedule | <p>1.25 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>1.26 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> |
| Bid Security | <p>1.27 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>1.28 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>1.29 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>1.30 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>1.31 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <p>a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or;</p> <p>b) In the event the successful Bidder fails:</p> <p>i. to sign the Contract after UNDP has issued an award; or</p> <p>ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.</p> |
| Currencies | <p>1.32 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids:</p> |

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| | <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. |
| Joint Venture, Consortium or Association | <p>1.33 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>1.34 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>1.35 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>1.36 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>1.37 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>1.38 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>1.39 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> |
| Only One Bid | <p>1.40 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>1.41 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this ITB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process; |

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| | <p>e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.</p> |
| Bid Validity Period | <p>1.42 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>1.43 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> |
| Extension of Bid Validity Period | <p>1.44 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>1.45 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.</p> <p>1.46 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> |
| Clarification of Bid (from the Bidders) | <p>1.47 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>1.48 UNDP will provide the responses to clarifications through the method specified in the BDS.</p> <p>1.49 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> |
| Amendment of Bids | <p>1.50 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>1.51 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> |
| Alternative Bids | <p>1.52 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>1.53 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"</p> |
| Pre-Bid Conference | <p>1.54 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</p> |

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| | an amendment to ITB. |
| C. SUBMISSION AND OPENING OF BIDS | |
| Submission | <p>1.55 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>1.56 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>1.57 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>1.58 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>1.59 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>1.60 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> |
| Deadline for Submission of Bids and Late Bids | <p>1.61 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>1.62 UNDP shall not consider any Bid that is received after the deadline for the submission of Bids.</p> |
| Withdrawal, Substitution, and Modification of Bids | <p>1.63 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>1.64 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by</p> |

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| | <p>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>1.65 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>1.66 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> |
| Bid Opening | <p>1.67 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.</p> <p>1.68 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>1.69 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.</p> |
| D. EVALUATION OF BIDS | |
| Confidentiality | <p>1.70 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>1.71 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> |
| Evaluation of Bids | <p>1.72 UNDP will conduct the evaluation solely on the basis of the Bids received.</p> <p>1.73 Evaluation of Bids shall be undertaken in the following steps:</p> <ul style="list-style-type: none"> a) Preliminary Examination including Eligibility b) Arithmetical check and ranking of bidders who passed preliminary examination by price. c) Qualification assessment (if pre-qualification was not done) a) Evaluation of Technical Bids b) Evaluation of prices <p>Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary</p> |
| Preliminary Examination | <p>1.74 UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.</p> |
| Evaluation of Eligibility and Qualification | <p>1.75 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria).</p> <p>1.76 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 |

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| | <p>terrorists and terrorist financiers, and in UNDP's ineligible vendors' list;</p> <p>b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments,</p> <p>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;</p> <p>d) They are able to comply fully with the UNDP General Terms and Conditions of Contract;</p> <p>e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and</p> <p>f) They have a record of timely and satisfactory performance with their clients.</p> |
| Evaluation of Technical Bid and prices | <p>1.77 The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.</p> |
| Due diligence | <p>1.78 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> <p>a) Verification of accuracy, correctness and authenticity of information provided by the Bidder;</p> <p>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;</p> <p>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;</p> <p>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;</p> <p>e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder;</p> <p>f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.</p> |
| Clarification of Bids | <p>1.79 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>1.80 UNDP's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bids, in accordance with the ITB.</p> <p>1.81 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> |
| Responsiveness of Bid | <p>1.82 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>1.83 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> |

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| Nonconformities, Reparable Errors and Omissions | <p>1.84 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>1.85 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>1.86 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>1.87 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.</p> |
| E. AWARD OF CONTRACT | |
| Right to Accept, Reject, Any or All Bids | <p>1.88 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> |
| Award Criteria | <p>1.89 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> |
| Debriefing | <p>1.90 In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.</p> |
| Right to Vary Requirements at the Time of Award | <p>1.91 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.</p> |
| Contract Signature | <p>1.92 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.</p> |

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| Contract Type and General Terms and Conditions | 1.93 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 |
| Performance Security | 1.94 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. |
| Bank Guarantee for Advanced Payment | 1.95 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 |
| Liquidated Damages | 1.96 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. |
| Payment Provisions | 1.97 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. |
| Vendor Protest | 1.98 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 |
| Other Provisions | <p>1.99 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>1.100 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>1.101 The United Nations has established restrictions on employment of (former) UN staff who have been involved in the procurement process as per bulletin ST/SGB/2006/15 http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&referer</p> |

SECTION 3. BID DATA SHEET

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

| BDS No. | Ref. to Section.2 | Data | Specific Instructions / Requirements |
|---------|-------------------|---|---|
| 1 | 7 | Language of the Bid | English OR Russian |
| 2 | | Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids) | Not Allowed |
| 3 | 20 | Alternative Bids | Shall be considered. |
| 4 | 21 | Pre-Bid conference | <p>Will be Conducted Date and Time (GMT +5): October 26, 2018 2:00 PM Venue: Chapqirg'oq Amudaryo Irrigatsiya Tizimlari Havza Boshqarmasi Address: 1, M. Khorazmiy street, Urgench 220100, Khorezm, Uzbekistan</p> <p>Bidders who are interested in attending Pre-Bid conference must send notification in writing to pu.uz@undp.org by providing full name, occupation and relationship of the individual who will attend the conference on behalf of the Bidder.</p> |
| 5 | 16 | Bid Validity Period | 120 calendar days |
| 6 | 13 | Bid Security | Not Required |
| 7 | 41 | Advanced Payment upon signing of contract | <p>Allowed up to a maximum of 15% of contract value. Please refer to "Clause 42. Bank Guarantee" of "Section 2. Instruction to Bidders" for more details on conditions for releasing Advance Payment.</p> |
| 8 | 42 | Liquidated Damages | <p>Will be imposed as follows: Percentage of contract price per day of delay: 0.5% but not more than 15% of total contract amount Max. no. of days of delay: 30 calendar days Next course of action: contract termination</p> |
| 9 | 40 | Performance Security | <p>Required in the amount of 10% from total contract price.</p> <p>Performance security should be issued by recognized bank and valid for the warranty period to cover defects in the event the Contractor fails to fulfil warranty obligations. Performance security will be required at contract signature stage.</p> <p>Performance security should be issued using UNDP form provided in Form G: Form of Performance Security</p> |
| 10 | 12 | Currency of Bid | United States Dollars (USD) for foreign suppliers. |

| | | | |
|----|---------------|---|---|
| | | | Uzbekistani som (UZS) for local suppliers. Please refer to Clause “13. Currencies” of “Section 2. Instruction to Bidders” for more details on bid currency |
| 11 | 31 | Deadline for submitting requests for clarifications/ questions | 5 calendar days before the submission deadline |
| 12 | 31 | Contact Details for submitting clarifications/questions | Focal Person in UNDP: Procurement unit Address: 4, Taras Shevchenko street, Tashkent, 100029, Uzbekistan E-mail address: pu.uz@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 www.uz.undp.org , www.un.uz , www.ungm.org and www.dgmarket.com |
| 14 | 23 | Deadline for Submission | 18:00 Tashkent time (GMT +5), 8 November 2018 |
| 15 | 22 | Allowable Manner of Submitting Bids | <input checked="" type="checkbox"/> Courier/Hand Delivery <input checked="" type="checkbox"/> Submission by email |
| 16 | 22 | Bid Submission Address | Courier/Hand Delivery: <u>4, Taras Shevchenko street, Tashkent, 100029, Uzbekistan for sealed envelopes; and</u> <u>Please put the following inscription of the envelope:</u> <u>“Ref: ITB/006/18 External Power Supply to Pumping Stations”</u> <u>Do not open before 8 November 2018, 18.00 (GMT +5)</u> Submission by email: bids.uz@undp.org in .pdf format. <u>Please put the following subject to the email submission:</u> <u>“Ref: ITB/006/18 External Power Supply to Pumping Stations”</u> Please be informed that UNDP will not open bids received after above deadlines and/or submitted to another email addresses and/or without subjects required above. |
| 17 | 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: 15 MB Mandatory subject of email: <u>ITB/006/18 External Power Supply to Pumping Stations</u> 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: <i>4, Taras Shevchenko street, Tashkent, 100029, Uzbekistan</i> |
| 18 | 25 | Date, time and venue for the opening of bid | Date and Time (GMT +5): November 9, 2018 10:00 AM Venue: UNDP CO, Tashkent |
| 19 | 27, 36 | Evaluation Method for the Award of Contract | Lowest priced technically responsive, eligible and qualified bid |

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|----|----|--|--|
| 20 | | Expected date for commencement of Contract | <i>January 1, 2019</i> |
| 21 | | Maximum expected duration of contract | 180 calendar days |
| 22 | 35 | UNDP will award the contract to: | One Proposer Only |
| 23 | 39 | Type of Contract | Contract for Civil Works http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html |
| 24 | 39 | UNDP Contract Terms and Conditions that will apply | UNDP General Terms and Conditions for Works http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html |
| 25 | | Other Information Related to the ITB | N/A |

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
- Performance Security 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 |
| | <ul style="list-style-type: none"> ▪ Company Profile, which should not exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured ▪ Certificate of Registration of the business, including Articles of Incorporation, or equivalent document ▪ 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 ▪ Local Government permit to locate and operate in the country of registration ▪ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any | |

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| | <ul style="list-style-type: none"> ▪ List and value of projects performed for the last 3 years with similar nature and complexity, plus client's contact details who may be contacted for further information on those contracts ▪ CV of key personal proposed for this assignment Project manager/Engineer (for supervision of all works assumed by this contract) ▪ 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 ▪ A certified copy of the technical passports and other documents confirming the Applicant's ownership of the construction equipment according to the list given in the Section 5A below or certified copies of lease agreements for the lease of this equipment ▪ Latest Income Statement and Balance Sheet, including Auditor's Report (if available) for the past three (3) fiscal years. UNDP will check the financial accounts to compute the quick ratio (QR). Quick ratio tests the company's financial strength and liquidity by calculating a company's liquid assets in proportion to its liabilities. If QR is less than 1: UNDP shall verify financial capacity of the Bidder and has the authority to seek references from concerned parties & banks on the Bidder' financial standing. UNDP has the right to reject any bid if submitted by a Bidder whom investigation leads to a result that it is not financially capable and/or had serious financial problems ▪ Warranty: Confirmation on compliance with warranty requirements (refer to Section Qualification, Schedule of Requirements) and provision of warranty procedures for carrying out replacements/repairs in the country of use ▪ Timetable to Project Schedule | |
| QUALIFICATION | | |
| History of Non-Performing Contracts¹ | Non-performance of a contract did not occur as a result of contractor default for the last 3 years | Form D: Qualification Form |
| Litigation History | No consistent history of court/arbitral award decisions against the Bidder for the last 5 years | Form D: Qualification Form |
| Previous Experience | Minimum 3 years of relevant experience | Form D: Qualification Form |
| | Minimum 3 contracts of similar value, nature and complexity implemented over the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement)</i> | Form D: Qualification Form |

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

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| Financial Standing | Minimum annual turnover of equivalent to USD 150,000 for the last 3 years <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement)</i> | Form D: Qualification Form |
| | Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement)</i> | Form D: Qualification Form |
| Technical Evaluation | The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document. | Form E: Technical Bid Form |
| Financial Evaluation | Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, direct costs, 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 |
| Technical Capacity | Minimum qualification requirements for engineer: <ul style="list-style-type: none"> - University degree in civil engineering - At least 5 years relevant engineering experience. The Bidder should also demonstrate availability of list of specialized equipment, machinery mechanisms listed in Section 5A below by presenting documents demonstration either possession or lease for this assignment. | |
| Warranty period | <ul style="list-style-type: none"> - The minimum term of warranty for all construction-installation works and materials 1 (one) year after commissioning - Quality guarantee for equipment valid for 24 (twenty-four) months from the date of signing by the parties of the Site Acceptance Certificate - Performance security in the amount of 10% from the total contract price from the recognized bank prior to signature of contract to cover defects and maintenance during 12 months warranty period. Duration of such performance security should be valid beyond the date of completion of works for 12 months warranty period. Performance security should be issued in UNDP form provided in Form G: Form of Performance Security and must be presented by the Bidder upon request from UNDP. Failure to present performance security upon request may result on disqualification of the Bidder. | |

SECTION 5A: SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS/BILL OF QUANTITIES

Construction of External Power Supply to Pumping Stations on Daryelik Arna Canal in Yangibazar and Urgench districts of Khorezm region

Daryelik Arna canal is designed to irrigation of the farmers' lands in Yangibazar and Urgench districts. However, due to a long length of the irrigation system (canal length is more than 40 km), and a heavy deterioration of power lines and transformer substations, it is not possible to supply water to the farmers' lands located at the end of a waterway. Additionally, local connecting to the power delivery system contributes to unauthorised withdrawal of water to the farmers without regard to a water allocation plan and aggravates conditions of water flow control in canal.

Therefore, this project is devised to improve of water supply control from the canal and create a single power delivery system.

General

10 kV high-voltage electric transmission line (HVLEP) passes through the territory of Urgench and Yangibazar districts of Khorezm region. Construction site is located at a height of 97 m above sea level, mean air temperature is 38°C, precipitation is 107 mm per year. Seismicity of the area is 7. Passage along power-line is possible throughout the year. Basic materials for supports, hardware and equipment are delivered by the mechanical transport. Potable water for builders is supplied from the local sources.

All construction-installation and special works shall be executed in strict adherence to the design arrangements.

Electrical solutions

In terms of power supply reliability, the consumer belongs to Category III. kV 110/10 kW Ozodlik SHH-10 Substation is accepted as a terminal point with installation of 10 kW Outdoor Switchgear (OS). At connection of the existing pumping stations to the newly built overhead line (OHL)-10 kW, in some places where composite load is connected to feeding PTS, an installation of the new Packaged Transformer Substation (PTS)-10/0.4 kW with 160 kVA power transformer and disconnecting device of LISO (line isolating switch outdoor)-10 type shall be provided.

At construction of OHL-10 kV, suspension shall be provided: in bulk power supply - non-insulated wire AS (aluminium and steel)-70, on branches AS-50 and AS-35 across power-line on reinforced concrete poles SV110-3.5 as per standard series 3.407.1-143 (publication 2). At crossings, TS-1 (cross-arm) adapters shall be installed on supports.

In accordance with a total power requirement, provision is made for installation of additional package transformer substations of PTS (package transformer station) -10/0.4 type with 250 kVA transformers - 1 pc, 160 kVA - 3 pcs, 100 kVA - 2 pcs. For separation of combined load from pump load, there are PTS-10/0.4 with 40 kVA transformers - 1 pc, 25 kVA- 1 pc.

At OHL-10 kV, concrete supports shall be installed in the bored foundation ditches. Foundation ditches for concrete supports shall be bored by the boring machine. Supports shall be laid out and assembled by the crane. Unrolling of AS (aluminium steel wire)-50 conductors shall be made by the tractor from pay-out trolleys on concrete supports for OHL-10 kV.

Performance of any, even short-time works, with application of the motor vehicles and lifting cranes immediately under HVLEP without its disconnection during works shall be prohibited. All works on disconnection of OHL-10 kV and PTS-10/0.4 kV from the operating line shall be done by the Yangibazar District Energy Provider.

Earthing

Total dissipation resistance of an electric current of OHL ground-wires at any time of the year shall be not more than 10 Ohm. Earthing arrangement for supports and equipment shall be as per generic design of 3.407-150 standard series. Earth resistance transformer of the substation shall be not more than 4 Ohm.

Special conditions

For implementation of these works the Contractor shall have:

- Standard Industrial Classification Code of Uzbekistan No. 43.21.0 «Electrical and Installation Works».
- License for installation and testing of the high-risk equipment
- Work experience for the last 5 years
- Construction of minimum three similar objects for the last 5 years
- Engineering manpower and specialists with work experience in an appropriate field, minimum 3 (three) years, being attested and possessing a duly issued identity card

All works shall be executed by the workers with a skill category not lower than recommended for this type of work.

The Contractor shall be equipped with:

- Equipment, accessories, and tools required for this type of work

| No | Description | Unit | Quantity |
|----|-------------|------|----------|
|----|-------------|------|----------|

| п/н | | | |
|-----|---|-----|--------|
| 1 | Reconstruction OHL-10 kV | km | 15,109 |
| 2 | Installation PTS (package transformer station) with transformer | ea. | 8 |
| 3 | Installation УKM 58-0,4 | ea. | 16 |
| 4 | Installation КРУН типа К-59 | ea. | 1 |
| | Machineries and mechanisms | ea. | |
| 1 | Auto-hydraulic hoist with a lifting height of 12 m. | ea. | 2 |
| 2 | Welding units on the tractor 79 kW (108 hp) | ea. | 2 |
| 3 | Wheeled excavator | ea. | 2 |
| 4 | Spud vibrator | ea. | 1 |
| 5 | Telescopic Towers 26m. | ea. | 1 |
| 6 | Mobile Compressors | ea. | 1 |
| 7 | Wheel-mounted crane 10t. | ea. | 1 |
| 8 | Mobile boilers bitumen 400 | ea. | 1 |
| 9 | Wheeled drilling and crane machines with boring depth of 3.5 m | ea. | 2 |
| 10 | Mobile power stations 4kW | ea. | 1 |
| 11 | Automobiles with load-carrying capacity 8t. | ea. | 2 |
| 12 | Bulldozer | ea. | 2 |

The Contractor shall undertake a commitment for:

- Performance and workmanship in full compliance with the approved design and estimate documentation, scope of work, specifications, building codes, as well as other applicable regulatory documents;
- Timely corrective actions detected during acceptance of works and within the warranty period;
- Procurement and installation of the new equipment for execution of work at site;
- Individual testing of installed equipment and participation in its integrated testing witnessed by the Employer's inspector.
- Submission of certificates for installed equipment and handover certificates for installed equipment to the Employer.
- Ensure a proper guarding of materials, equipment and other assets at the construction site until full completion of works and their acceptance by the Employer.
- Cleaning of the construction site and adjoining territory upon completion of works within 5 days from the date of acceptance of site, removal of the construction materials, machines, equipment and other assets of the Contractor, as well as debris.
- Remedy at no charge, at the request of the Employer, all identified deficiencies if during execution of works the Contractor had made deviations from the contract conditions which degraded a quality of works, within 10 (ten) calendar days from the date of handing over of a relevant demand to the Contractor in a written form by the Employer.

All procured and supplied equipment and materials shall correspond to the specifications posted on the official websites of the manufacturers and the requirements of government standards of Uzbekistan.

All procured and supplied equipment shall be new, original, undisturbed.

Procured and supplied equipment shall have internal sealing of components at places of their connections or fixing for subsequent maintenance.

All procured and supplied materials and equipment shall have relevant certificates, technical passports and other documents verifying their quality and useful life. Copies of these certificates, etc. shall be provided by the Contractor to the Employer before commencement of works to be executed with these materials and equipment.

All materials and equipment applied by the Contractor shall be certified and permitted to be applied in Uzbekistan, as well as manufactured not later than twenty-four months after the date of delivery.

The Contractor shall be responsible for compliance of used materials and equipment with the design specifications, the government standards, the technical regulations and the fire requirements.

The Contractor shall guarantee that procured and supplied equipment are handed over free and clear of all liens and encumbrances and is not pledged, arrested or otherwise burdened.

Quality guaranty for work shall be valid for twelve months from the date of signing by the parties of the Site Acceptance Certificate.

Quality guaranty for equipment shall be valid for twenty-four months from the date of signing by the parties of the Site Acceptance Certificate.

Guarantee period for procured and supplied equipment shall be confirmed by existence of the warranty flyer indicating warranty service's terms and all the necessary data.

The Contractor shall provide a post-guarantee maintenance of equipment under separate contract.

The Employer shall provide to the Contractor the terminal points of temporary power supply and water supply under separate agreement if design load is reasoned, and on condition of:

- Full compensation of operating costs for used sources of temporary networks;
- Compensation of used power under separately agreed tariff.

Upon completion of construction-installation and repair works, the Contractor shall submit:

- Certificates of laboratory testing of the installed equipment;
- Test protocol for the earthing ring;
- As-built drawings for installed structures and service lines;
- Technical passports for equipment;
- Compliance certificates for construction materials and structures;
- Hidden works acceptance certificates;
- Invoice for incurred charges

Failure to present of above-noted documents in full shall lead to rejection of invoices for review.

| SCOPE OF WORK for Construction of External Power Supply to Pumping Stations on Daryelik Arna Canal in Yangibazar and Urgench districts of Khorezm region | | | |
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| # | Description of works and costs | Unit | Quantity |
| 1 | 2 | 3 | 4 |
| Section 1: 10 kV | | | |
| 1 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment | support | 165.0000 |
| 2 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with one strut | support | 41.0000 |
| 3 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with two struts | support | 12.0000 |
| 4 | Installation of reinforced concrete slab for supports OHL 35 kV anchor-type of up to 0.2 m3 | pcs | 118.0000 |
| 5 | Waterproofing of prefabricated concrete foundation OHL and OSG (open switchgear), poles of spun concrete supports of OHL and reinforced concrete portals of OSG: at twice asphaltting | 100 m2 | 7.6410 |
| 6 | Set-up of extended ground-wire in soil of 1-04 groups, at beam length up to 10 m | 100 m | 28.3000 |
| 7 | Wire mounting for OHL 6-10 kV in populated area, core section up to 35 mm2 by machinery at 10 supports | km | 0.7220 |
| 8 | At increase in number of supports by 1 km of OHL to 33-04-009-5 regulatory standard | support | 8.0000 |
| 9 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 35/6.2 | ton | 0.3358 |
| 10 | Wire mounting for OHL 6-10 kV in populated area, core section above 35 mm2 by machinery at 10 supports | km | 13.3570 |
| 11 | At increase in number of supports by 1 km of OHL to 33-04-009-6 regulatory standard | support | 77.0000 |
| 12 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 50/8 | ton | 5.3610 |
| 13 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 70/11 | ton | 4.0368 |
| 14 | Installation of surge arrestor by machinery | set | 2.0000 |
| 15 | Surge arrestor, RVO (Surge arrestor valve reduced-weight)-10 type | pcs | 3.0000 |
| 16 | Surge arrestor, RTU (Surge arrestor valve climatic version)-10 type | pcs | 3.0000 |

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| 17 | Wire mounting for 10-20 kV OHL on passages through road obstacles of 1 and 2 categories | passage | 16.0000 |
| 18 | Installation of disconnecting devices by machinery | set | 7.0000 |
| 19 | Disconnecting device LISO-1-10/400 | pcs | 7.0000 |
| 20 | Manual loading and unloading of glass dished suspended insulators | ton | 4.0000 |
| 21 | Manual loading and unloading of line hardware | ton | 0.2800 |
| 22 | Haulage of reinforced-concrete poles from on-site storage to work area amidst lack of roads | ton | 331.3000 |
| 23 | Haulage of reinforced-concrete foundation, wire and rope from on-site storage to work area amidst lack of roads | ton | 9.7300 |
| 24 | Haulage of insulators and line hardware from on-site storage to work area amidst lack of roads | ton | 4.2800 |
| 25 | Haulage of steel support components, crossarms of concrete supports from on-site storage to work area amidst lack of roads | ton | 9.2500 |
| 26 | Handling operations at power-line. loading and unloading of steel support components, crossarms of concrete supports, wooden supports, wire and rope | ton | 9.2500 |
| 27 | Handling operations at power-line. Loading and unloading of reinforced-concrete foundation, poles of supports and piles | ton | 331.3000 |
| 28 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of structural units | substation | 4.0000 |
| 29 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of equipment | substation | 4.0000 |
| 30 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of structural units | substation | 3.0000 |
| 31 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of equipment | substation | 3.0000 |
| 32 | KTPS type package transformer substation with 250 kVA transformer | set | 1.0000 |
| 33 | KTPS type package transformer substation with 160 kVA transformer | set | 2.0000 |
| 34 | KTPS type package transformer substation with 100 kVA transformer | set | 2.0000 |
| 35 | KTPS type package transformer substation with 40 kVA transformer | set | 1.0000 |
| 36 | KTPS type package transformer substation with 25 kVA transformer | set | 1.0000 |
| 37 | Attachments PT43 | pcs | 30.0000 |
| 38 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm ² | 100 m | 1.4000 |
| 39 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm ² 160 | 100 m | 0.7070 |
| 40 | Vertical ground conductor from angle bar, size, mm 50x50x5 | 10 pcs | 2.8000 |
| 41 | Dismantling of equipment for package transformer substations of cabinet type | substation | 1.0000 |
| 42 | FBS (construction foundation block) blocks-24-4-6t | pcs | 2.0000 |
| 43 | FBS (construction foundation block) blocks -12-4-6 | pcs | 2.0000 |
| 44 | Setting of foundation for package transformer substations of kiosk type with vertical embedding of 4 poles into soil | substation | 1.0000 |
| 45 | Installation of equipment for package transformer substations of kiosk type, terminal substations with overhead entries | substation | 1.0000 |
| 46 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm ² | 100 m | 0.2000 |
| 47 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm ² 160 | 100 m | 0.1010 |
| 48 | Vertical ground conductor from angle bar, size, mm 50x50x5 | 10 pcs | 0.4000 |
| 49 | Dismantling of substation with a capacity of up to 100 kVA, installation of equipment | substation | 1.0000 |
| 50 | Dismantling of substation with a capacity of 250 kVA | substation | 1.0000 |
| 51 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of structural units | substation. | 1.0000 |
| 52 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of equipment | substation. | 1.0000 |
| 53 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of structural units | substation | 1.0000 |
| 54 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of equipment | substation | 1.0000 |
| 55 | Attachments PT43 | pcs | 8.0000 |

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| 56 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm ² | 100 m | 0.4000 |
| 57 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm ² 160 | 100 m | 0.2020 |
| 58 | Vertical ground conductor from angle bar, size, mm, 50x50x5 | 10 pcs | 0.8000 |
| 59 | Manual soil excavation in trenches, up to 2m depth, without timbering, sloped, soil group 2, from outdoor switchgear-10 kV to road (L53.5xD0.9xW0.5) | 100 m ³ | 0.2408 |
| 60 | Cables up to 35 kV in finished trenches without cover. Cable, weight of 1 m, kg, up to 1, from Outdoor switchgear-10 kV to road 1st support (3x61=183 m) | 100 m | 1.8300 |
| 61 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm ² : 95 | 1000 m | 0.1830 |
| 62 | Cable terminator, voltage up to 10 kV, core section, mm ² , up to 120 | pcs | 3.0000 |
| 63 | Construction of bed with one cable in trench | 100 m | 0.5350 |
| 64 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 1.0700 |
| 65 | One cable brick coverage | 100 m | 0.6100 |
| 66 | Each subsequent cable brick coverage | 100 m | 1.2200 |
| 67 | One cable coverage with signal ribbon | 100 m of cable | 0.5350 |
| 68 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 1.0700 |
| 69 | Hand refilling of trench, pit hollow and pockets, soil group 2 (L53.5xD0.48xW0.5) | 100 m ³ | 0.1284 |
| 70 | Demolition of asphalt-concrete cover and foundation (L10xD0.10xW0.7) | 100 m ³ | 0.0070 |
| 71 | Demolition of rubble or gravel cover and foundation (L14xD0.10xW0.7) | 100 m ³ | 0.0098 |
| 72 | Trenching to disposal area with back digger with 0.25 bucket, m ³ , soil group: 2 (L14xD1.9xW0.7) | 1000 m ³ | 0.0186 |
| 73 | steel pipe laying, diameter, 100 mm (14m, 3 pcs per phase) | km | 0.0420 |
| 74 | Placing of heavy duty rust-proof bitumen-rubber or bitumen-polymeric insulation on steel pipes, diameter, 100 mm | km | 0.0420 |
| 75 | Cables up to 35 kV in laid pipes, boxes and ducts. Cable, weight. 1 m, kg, up to 1 (3x14=42 m) | 100 m | 0.4200 |
| 76 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm ² : 95 | 1000 m | 0.0420 |
| 77 | Construction of bed with one cable in trench | 100 m | 0.1400 |
| 78 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 0.2800 |
| 79 | One cable coverage with signal ribbon | 100 m of cable | 0.1400 |
| 80 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 0.2800 |
| 81 | Refilling of trench and borrow pit with earthmoving up to 5 m with bulldozer of 59 [80] kW [HP], 2 soil group (L14xD1.41xW0.7) | 1000 m ³ | 0.0138 |
| 82 | Compaction with pneumatic rammer, soil group 1, 2 (L14xD1.41xW0.7) | 100 m ³ | 0.1381 |
| 83 | Bottoming and surfacing from single-layer sand and gravel mix, thickness, 12 cm (L14xW0.7) | 1000 m ² | 0.0098 |
| 84 | Bottoming, thickness, 15 cm from crushed stone of 40-70 mm fraction [at rolling of rock material with compressive resistance over 98.1 [1000] MPa [kp/cm ²], single-layer (L14xW0.7) | 1000 m ² | 0.0098 |
| 85 | Surfacing from cold-mixed asphalt, thickness, 3 cm, BH type (L14xW0.7) | 1000 m ² | 0.0098 |
| 86 | Surfacing, thickness, 4 cm from solid fine-grained hot-mixed asphalt, ABV type (asphalt-concrete with gravel content 30 to 40%), density of rock material 2.5-2.9 ton/m ³ (L14xW0.7) | 1000 m ² | 0.0098 |
| 87 | Trenching to disposal area with back digger with 0.25 bucket, m ³ , soil group: 2 (L18.3xD0.9xW0.7) | 1000 m ³ | 0.0115 |
| 88 | Cables up to 35 kV in finished trenches without cover. Cable, weight of 1 m, kg, up to 1, from road to 1st support (3x32.3=96.9 m) | 100 m | 0.9690 |
| 89 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm ² : 95 | 1000 m | 0.0969 |
| 90 | Construction of bed with one cable in trench | 100 m | 0.1830 |

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| 91 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 0.3660 |
| 92 | One cable brick coverage | 100 m | 0.1830 |
| 93 | Each subsequent cable brick coverage | 100 m | 0.3660 |
| 94 | One cable coverage with signal ribbon | 100 m of cable | 0.1830 |
| 95 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 0.3660 |
| 96 | Refilling of trench and borrow pit with earthmoving up to 5 m with bulldozer of 59 [80] kW [HP], 2 soil group (L18.3xD0.59xW0.7) | 1000 m3 | 0.0076 |
| 97 | Sleeve for 1-core cable, voltage up to 10 kV, core section, mm2, up to 120 | pcs | 2.0000 |
| 98 | Heat shrink end sleeve | set | 2.0000 |
| 99 | Dismantling of rectilinear and curvilinear, guarded emergency stairs | ton | 0.0700 |
| 100 | Dismantling of door-case in walls with manual break-off of plaster in splays: aluminium | 100 cases | 0.0100 |
| 101 | Installation of socle blocks, weight, up to 2.5 ton | 100 pcs | 0.0300 |
| 102 | Cubicle switchboard 6-10 kV. outdoor cabinet with maintenance corridor and closing switch | pcs | 1.0000 |
| 103 | Cubicle switchboard K-59 | set | 1.0000 |
| 104 | Installation of rectilinear and curvilinear, guarded emergency stairs | ton | 0.0700 |
| 105 | Installation of wooden-aluminium, aluminium, steel-plastic boxes in outer and inner doorways: in partitions with opening area up to 3 m2 | 100 m2 | 0.0150 |
| ASCAPC at Cubicle | | | |
| 106 | Installation of electronic meter | pcs | 1.0000 |
| 107 | Electronic meter DSSD-536 | pcs | 1.00 |
| 108 | Installation of circuit-breaker | pcs | 1.00 |
| 109 | Circuit-Breaker VA47-29 | pcs | 1.00 |
| 110 | Installation of blocks | pcs | 1.00 |
| 111 | Test block BI-9 | pcs | 1.00 |
| 112 | Installation of cabinet for ASCAPC | pcs | 1.00 |
| 113 | Cabinet for ASCAPC with lock (600x600x300) | pcs | 1.00 |
| 114 | Cord on installed steelwork and panels, core section, mm2, up to 16 | 100 m | 0.10 |
| 115 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 m | 0.10 |
| 116 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-4x4 | m | 5.00 |
| 117 | Comm Cable KKPV (vertical turning cable duct)-4X2X0.52 | m | 5.00 |
| 118 | Hose, outdoor, diameter, mm, up to 48 | 100 m | 0.03 |
| 119 | Metal Hose RZ-TS-H-SH15 | m | 3.00 |
| 120 | Metalware | ton | 0.0020 |
| 121 | SIM card | pcs | 1.00 |
| 122 | Data Terminal GSM HL3204 | pcs | 1.00 |
| Materials | | | |
| 123 | Supports SV110-3.5 | pcs | 283.00 |
| 124 | Anchor Bearing Plate P-ZI | pcs | 118.00 |
| 125 | Crossarm TM3 | pcs | 8.00 |
| 126 | Crossarm TM10 | pcs | 47.00 |
| 127 | Crossarm TM5 | pcs | 24.00 |
| 128 | Crossarm TM6 | pcs | 29.00 |
| 129 | Crossarm TM9 | pcs | 94.00 |
| 130 | Adapter TS-1 | pcs | 23.00 |
| 131 | Cover Plate OG-2 | pcs | 42.00 |
| 132 | Cover Plate OG-5 | pcs | 21.00 |
| 133 | Cover Plate OG-9 | pcs | 188.00 |
| 134 | Clip X42 | pcs | 272.00 |

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| 135 | Clip X-1 | pcs | 44.00 |
| 136 | Clip X-2 | pcs | 24.00 |
| 137 | Mounting Bracket U-1 | pcs | 65.00 |
| 138 | Wire Tie G1 | pcs | 118.00 |
| 139 | Mounting Bracket PA-1 | pcs | 7.00 |
| 140 | Mounting Bracket PA-2 | pcs | 7.00 |
| 141 | Mounting Bracket P-1 | pcs | 7.00 |
| 142 | Mounting Bracket P-2 | pcs | 7.00 |
| 143 | Drive Shaft PA-3 | pcs | 7.00 |
| 144 | Clip X-1 | pcs | 16.00 |
| 145 | Clip X-2 | pcs | 16.00 |
| 146 | Conductor ZP-1 | pcs | 7.00 |
| 147 | Insulator SHF-20 V (pin-type porcelain)) | pcs | 968.00 |
| 148 | Suspended Insulator PS-70D | set | 240.00 |
| 149 | Eyelet U1-7-16 | pcs | 120.00 |
| 150 | Wedge Strain Clamp NKK-1-1B | pcs | 120.00 |
| 151 | Arm Link SRS-7-17 | pcs | 120.00 |
| 152 | Cramp SK-7 | pcs | 120.00 |
| 153 | Apparatus Compression Clamp A2A-50 | pcs | 321.00 |
| 154 | Earth Conductor ZP1 | m | 396.00 |
| 155 | Drop Link PRT-7 | pcs | 12.00 |
| 156 | Drive PRN-3-10U1 | pcs | 7.00 |
| 157 | Cord Bracing SPS-1 | pcs | 14.00 |
| 158 | Clamp PA-2 | pcs | 42.00 |
| 159 | Clamp A1A | pcs | 42.00 |
| 160 | Bolt M 12X40 | pcs | 77.00 |
| 161 | Bolt M 8X60 | pcs | 42.00 |
| 162 | Nut M 12 | pcs | 77.00 |
| 163 | Nut M 8 | pcs | 42.00 |
| 164 | Washer 12 | pcs | 77.00 |
| 165 | Washer 8 | pcs | 42.00 |
| 166 | Brick (L72xpcs12) | pcs | 864.00 |
| 167 | Sand | m3 | 12.60 |
| Section 2: 0.4 kV | | | |
| 168 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment PP (ram blowout plate) 4-4, PZ-4 | support | 8.0000 |
| 169 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with one strut PUA4-4, PK4-4, K4-8, KZ-4 | support | 8.0000 |
| 170 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with two struts PUA5-8 | support | 1.0000 |
| 171 | Waterproofing of prefabricated concrete foundation OHL and open switch gear (OSG), poles of spun concrete supports OHL and reinforced concrete portals of OSG: at twice asphaltting | 100 m2 | 0.6000 |
| 172 | Set-up of extended ground-wire in soil of 1-04 groups, at beam length up to 10 m | 100 m | 1.3500 |
| 173 | Non-insulated wire mounting for 0.38 kV OHL by machinery at 20 supports | km | 0.6120 |
| 174 | At increase in number of supports by 1 km of OHL to regulatory standard 33-04-008-1 | support | 5.0000 |
| 175 | Non-insulated aluminium wire for overhead power lines, model A, core section, mm2: 25 | ton | 0.0436 |
| 176 | Non-insulated aluminium wire for overhead power lines, model A, core section, mm2: 50 | ton | 0.2608 |
| 177 | Manual loading and unloading of line hardware | ton | 0.0910 |
| 178 | Haulage of reinforced-concrete poles from on-site storage to work area amidst lack of roads | ton | 25.6500 |
| 179 | Haulage of reinforced-concrete foundation, wire and rope from on-site storage to work area amidst lack of roads | ton | 0.3044 |
| 180 | Haulage of insulators and line hardware from on-site storage to work area amidst lack of | ton | 0.0910 |

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| | roads | | |
| 181 | Haulage of steel support components, crossarms of concrete supports from on-site storage to work area amidst lack of roads | ton | 0.5507 |
| 182 | Handling operations at power-line. loading and unloading of steel support components, crossarms of concrete supports, wooden supports, wire and rope | ton | 0.5507 |
| 183 | Handling operations at power-line. Loading and unloading of reinforced-concrete foundation, poles of supports and piles | ton | 25.6500 |
| 184 | Static condensers and package capacitor units. Package capacitor unit [cabinet] on installed structures, weight, kg, up to 100 | pcs | 16.0000 |
| 185 | UKM (capacitor unit)58-0.4-15-5UZ | pcs | 1.0000 |
| 186 | UKM (capacitor unit)58-0.4-20-5UZ | pcs | 8.0000 |
| 187 | UKM (capacitor unit)58-0.4-30-10UZ | pcs | 1.0000 |
| 188 | UKM (capacitor unit)58-0.4-40-10UZ | pcs | 3.0000 |
| 189 | UKM (capacitor unit)58-0.4-62.5-12.5UZ | pcs | 1.0000 |
| 190 | UKM (capacitor unit)58-0.4-120-30UZ | pcs | 2.0000 |
| 191 | Power cables VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X10 | 1000 M | 0.0050 |
| 192 | Power cables VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X16 (9X5 45M) | 1000 M | 0.0450 |
| 193 | Copper tip 10 | pcs | 8.0000 |
| 194 | Copper tip 16 | pcs | 72.0000 |
| 195 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 M | 0.5000 |
| 196 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 35 | pcs | 80.0000 |
| 197 | Power cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X25 (3X5 15M) | 1000 M | 0.0150 |
| 198 | Power cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core section MM2: 4X35 | 1000 M | 0.0050 |
| 199 | Copper tip 25 | pcs | 24.0000 |
| 200 | Copper tip 35 | pcs | 8.0000 |
| 201 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 2 | 100 M | 0.2000 |
| 202 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 35 | pcs | 32.0000 |
| 203 | Cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X95 (2X5 10) | 1000 M | 0.0100 |
| 204 | Copper tip 95 | pcs | 16.0000 |
| 205 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 6 | 100 M | 0.1000 |
| 206 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 120 | pcs | 16.0000 |
| 207 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm2 160 | 100 M | 0.3200 |
| ASCAPC at Transformer Substation | | | |
| 208 | Installation of electronic meter | pcs | 2.0000 |
| 209 | Electricity meter DTS-541 | pcs | 2.0000 |
| 210 | Data concentrator CGZO40-1J | pcs | 2.0000 |
| 211 | Installation of circuit-breaker | pcs | 2.0000 |
| 212 | Circuit-breaker VA47-29 | pcs | 2.0000 |
| 213 | Installation of blocks | pcs | 2.0000 |
| 214 | Test block BI-9 | pcs | 2.0000 |
| 215 | Installation of cabinet for ASCAPC | pcs | 2.0000 |

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| 216 | Cabinet for ASCAPC with lock (600X600X300) | pcs | 2.0000 |
| 217 | Current transformer, voltage, kV, up to 10 | pcs | 6.0000 |
| 218 | Current Transformer TTI-0.66 100/5A | pcs | 3.0000 |
| 219 | Current Transformer TTI-0.66 50/5A | pcs | 3.0000 |
| 220 | Cord on installed steelwork and panels, core section, mm ² , up to 16 | 100 m | 0.2000 |
| 221 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 m | 0.3200 |
| 222 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-4x4 | m | 6.0000 |
| 223 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-2X4 | m | 6.0000 |
| 224 | Comm cable KKPV-4X2X0.52 | m | 20.0000 |
| 225 | Hose, outdoor, diameter, mm, up to 48 | 100 m | 0.0300 |
| 226 | Metal hose RZ-TS-X-SH15-(hose nonwatertight galvanized silk-and-cotton sealing) | m | 3.0000 |
| 227 | Metalware | ton | 0.0010 |
| 228 | SIM card | pcs | 2.0000 |
| 229 | Installation of converter RS-485 | pcs | 2.0000 |
| 230 | Converter RS-485 | pcs | 2.0000 |
| 231 | Software | pcs | 2.0000 |
| Materials | | | |
| 232 | Supports SV110-3.5 | pcs | 11.00 |
| 233 | Pole SV95-2 | pcs | 16.00 |
| 234 | Concrete Attachment PT43-2 | pcs | 4.00 |
| 235 | Earth Conductor ZP2 | m | 31.65 |
| 236 | Crossarm TN-9 | pcs | 38.00 |
| 237 | Crossarm TN-4 | pcs | 14.00 |
| 238 | Adapter TS-5 | pcs | 2.00 |
| 239 | Clip X-10 | pcs | 10.00 |
| 240 | Clip X-12 | pcs | 24.00 |
| 241 | Clip X-24 | pcs | 8.00 |
| 242 | Insulator TF-20V (T- insulator porcelain) | pcs | 142.00 |
| 243 | Clamp PA (clamp ram blowout A-30mm ²) | pcs | 200.00 |
| 244 | Clamp PS-1-1 (clamp ram blowout S- steel wire) | pcs | 27.00 |
| 245 | Brick (L529xpcs8) | pcs | 4232.00 |
| 246 | Sand | m ³ | 66.10 |
| 247 | Brick (L26xpcs8) | pcs | 208.00 |
| 248 | Sand | m ³ | 3.25 |
| Section 3: Commissioning Works | | | |
| Commissioning Works on Testing of Electric Equipment for Outdoor switchgear-10 kV | | | |
| 249 | Circuit breaker with magnetic blast or vacuum one, voltage, kV, up to: 11 | pcs | 1.00 |
| 250 | Remote transformer with solid insulation, voltage, kV, up to: 11 | pcs | 3.00 |
| 251 | Transformer winding: instrument: primary | test | 3.00 |
| 252 | Transformer winding: instrument: secondary | test | 1.00 |
| 253 | Zero-sequence transformer: without magnetic bias field | pcs | 1.00 |
| 254 | Transformer winding: instrument: secondary | test | 1.00 |
| 255 | Fault current measurement: voltage limiter | 1 measuring | 3.00 |
| 256 | Insulation resistance test with megaohmmeter: windings of machines and devices | 1 measuring | 3.00 |
| 257 | Switching device, voltage, kV up to: 35 | test | 3.00 |
| 258 | Buses, voltage, kV, up to: 11 | test | 3.00 |
| 259 | Electric continuity testing between ground-wires and grounded members | 100 points | 0.01 |
| 260 | Insulation resistance test with megaohmmeter: cable and other lines, voltage up to 1 kV, designed to power transmission to switchyards, boards, cabinets, switching devices and electrical consumers | 1 line | 1.00 |
| 261 | Three-pole switch: with magnetic, thermal or combined cut-off, rated current A, up to: 50 | pcs | 1.00 |
| 262 | Switching device, voltage, kV up to: 1 [for power supply circuits] | test | 1.00 |

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| 263 | Control wiring circuits | test | 10.00 |
| Relay Protection and Automation of Outdoor switchgear-10 kV | | | |
| 264 | Control wiring layout of circuit breaker: voltage up to 11 kV with local control system and common drive: magnetic | layout | 1.00 |
| 265 | Layout, number of lockable devices up to: 10 | layout | 1.00 |
| 266 | Arc flash protection of sections: cubicle switchboards [Cs] | set | 1.00 |
| 267 | Non-contact gauge, number of "input/output" up to: 3 | pcs | 1.00 |
| 268 | Protection: terminal | set | 1.00 |
| 269 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 | layout | 1.00 |
| 270 | Wiring of three-wire system, number of panels [cabinets, cubicle]: for each subsequent panel [cabinet, cubicle] over 2 | layout | 1.00 |
| 271 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 (relating to control goals), Coefficient=0.7 | layout | 1.00 |
| 272 | Wiring of three-wire system, number of panels [cabinets, cubicle]: for each subsequent panel [cabinet, cubicle] over 2 (relating to control goals), Coefficient=0.7 | layout | 1.00 |
| 273 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 (relating to control goals), coefficient=1.3 | layout | 1.00 |
| 274 | Acquisition and implementation of data signals from protection devices, automation of electrical and operating schedules | signal | 1.00 |
| 275 | Reading, processing and analysis: clock diagrams | 1 diagram | 1.00 |
| 276 | Coupling, number of linked equipment, pcs., up to: 5 | coupling | 1.00 |
| Commissioning Works | | | |
| 277 | Oil testing: breakdown | test | 7.00 |
| 278 | Power transformer winding | test | 7.00 |
| 279 | Power cable, up to 500 m long, voltage, kV, up to: 10 | test | 3.00 |

SECTION 5B: OTHER RELATED REQUIREMENTS

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

| | |
|---|---|
| Delivery Term [INCOTERMS 2010] <i>(Pls. link this to price schedule)</i> | N/A |
| Exact Address of Delivery/Installation Location | Yangibazar district, Khorezm region |
| Mode of Transport Preferred | Land |
| UNDP Preferred Freight Forwarder, if any ² | N/A |
| Distribution of shipping documents <i>(if using freight forwarder)</i> | N/A Click here to enter text. |
| Customs, if required, clearing shall be done by: | Supplier |
| Ex-factory / Pre-shipment inspection | N/A |
| Inspection upon delivery | Yes, all works, construction materials, equipment will be inspected by UNDP |
| Installation Requirements | All equipment will be installed by the Supplier |
| Testing Requirements | In accordance with the rules of installation of electrical equipment (IEE) (IEE attached) |
| Scope of Training on Operation and Maintenance | N/A |
| Commissioning | As per established act of commissioning (Act of commissioning attached) |
| Warranty Period | <ul style="list-style-type: none"> - The minimum term of warranty for all construction-installation and materials 1 (one) year after commissioning - Quality guaranty for equipment shall be valid for 24 twenty-four months from the date of signing by the parties of the Site Acceptance Certificate - The bidder will be required to provide performance security in the amount of 10% from the total contract price from the recognized bank prior to signature of contract to cover defects and maintenance during 12 months warranty period. Duration of such performance security should be valid beyond the date of completion of works for 12 months warranty period. Performance security should be issued in UNDP form provided in Form G: Form of Performance Security. |
| Local Service Support | The minimum term of quality assurance for construction – installation works and materials 1 (one) year after commissioning |
| Technical Support Requirements | Technical maintenance and repair of defective parts of the construction works and equipment to be installed must be provided during stipulated warranty period |

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

| | |
|---|---|
| After-sale services Requirements | <input checked="" type="checkbox"/> Warranty on construction and installation works for minimum period of 12 months <input checked="" type="checkbox"/> Technical Support: Technical maintenance and repair of defective parts of the construction works and equipment to be installed must be provided during stipulated warranty period <input checked="" type="checkbox"/> Provision of Service Unit when pulled out for maintenance /repair <input checked="" type="checkbox"/> Others: Quality guaranty for equipment shall be valid for twenty-four months from the date of signing by the parties of the Site Acceptance Certificate |
| Payment Terms | <p>United States Dollars (USD) for foreign suppliers:</p> <p>1. First payment in the amount of 15% from total contract price upon completion of at least of 20% of the total scope of work</p> <p>2. Interim payment in the amount of 35 % from total contract price upon completion of at least of 50 % of the total scope of work</p> <p>3. Interim payment in the amount of 50% upon completion of 100% of works, signature of acceptance act by both parties, submission of payment invoice by the Contractor and acceptance by UNDP</p> <p>Uzbekistan soum (UZS) for local Uzbekistan suppliers:</p> <p>1. Advance payment in the amount of 15% from total contract price upon signature of contract by both parties</p> <p>2. Interim payment in the amount of 35 % from total contract price upon completion of 50 % of the total scope of work</p> <p>3. Interim payment in the amount of 50% upon completion of 100% of works, signature of acceptance act by both parties, submission of payment invoice by the Contractor and acceptance by UNDP</p> |
| Conditions for Release of Payment | <input type="checkbox"/> Pre-shipment inspection <input type="checkbox"/> Inspection upon arrival at destination <input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> Testing <input type="checkbox"/> Training on Operation and Maintenance <input checked="" type="checkbox"/> Written Acceptance of works based on full compliance with ITB requirements <input checked="" type="checkbox"/> Others: (a) signing of the contract by both parties; (b) written acceptance of works based on full compliance with Bill of Quantities and following the payment schedule |
| All documentations, including catalogues, instructions and operating manuals, shall be in this language | English OR Russian |

SECTION 6: RETURNABLE BIDDING FORMS / CHECKLIST

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

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

Technical Bid:

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

Price Schedule:

| | |
|-------------------------------|--------------------------|
| ▪ Form F: Price Schedule Form | <input type="checkbox"/> |
|-------------------------------|--------------------------|

Form A: Bid Submission Form

| | | | |
|-----------------|-------------------------|-------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | ITB/006/18 | | |

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 demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues | [Complete] |
| Is your company a member of the UN Global Compact | [Complete] |
| Contact person that UNDP may contact for requests for clarifications during Bid evaluation | Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete] |

Please attach the following documents:

- Company Profile, which should not exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured
- Certificate of Registration of the business, including Articles of Incorporation, or equivalent document
- 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
- Local Government permit to locate and operate in the country of registration
- Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any
- List and value of projects performed for the last 3 years with similar nature and complexity, plus client's contact details who may be contacted for further information on those contracts
- CV of key personal proposed for this assignment Project manager/Engineer (for supervision of all works assumed by this contract)
- 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
- A certified copy of the technical passports and other documents confirming the Applicant's ownership of the construction equipment according to the list given in the Section 5A below or certified copies of lease agreements for the lease of this equipment
- Latest Income Statement and Balance Sheet, including Auditor's Report (if available) for the past three (3) fiscal years. UNDP will check the financial accounts to compute the quick ratio (QR). Quick ratio tests the company's financial strength and liquidity by calculating a company's liquid assets in proportion to its liabilities. If QR is less than 1: UNDP shall verify financial capacity of the Bidder and has the authority to seek references from concerned parties & banks on the Bidder's financial standing. UNDP has the right to reject any bid if submitted by a Bidder whom investigation leads to a result that it is not financially capable and/or had serious financial problems
- Warranty: Confirmation on compliance with warranty requirements (refer to Section Qualification, Schedule of Requirements) and provision of warranty procedures for carrying out replacements/repairs in the country of use
- Timetable to Project Schedule

Form C: Joint Venture/Consortium/Association Information Form

| | | | |
|-----------------|-------------------------|-------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | ITB/006/18 | | |

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

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

| | |
|--|------------|
| Name of leading partner (with authority to bind the JV, Consortium, Association during the ITB process and, in the event a Contract is awarded, during contract execution) | [Complete] |
|--|------------|

We have attached a copy of the below referenced document signed by every partner, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture:

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

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

Name of partner:

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: | ITB/006/18 | | |

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: | ITB/006/18 | | |

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

SECTION 1: Bidder's qualification, capacity and expertise

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

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

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

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

| Goods and services to be Supplied and Technical Specifications | Your response | | | | |
|--|--|--|---|---|----------|
| | Compliance with technical specifications | | Delivery Date (confirm that you comply or indicate your delivery date) | Quality Certificate/Export Licenses, etc. (indicate all that apply and attach) | Comments |
| | Yes, we comply | No, we cannot comply (indicate discrepancies) | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Other Related services and requirements | Compliance with requirements | Details or comments on the related requirements |
|---|------------------------------|---|
|---|------------------------------|---|

| <i>(based on the information provided in Section 5b)</i> | Yes, we comply | No, we cannot comply <i>(indicate discrepancies)</i> | |
|--|-----------------------|--|--|
| e.g. Delivery Term | | | |
| Warranty | | | |
| Local Service Support | | | |
| | | | |
| | | | |

SECTION 3: Management Structure and Key Personnel

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

Format for CV of Proposed Key Personnel

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

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

Signature of Personnel

Date (Day/Month/Year)

FORM F: Price Schedule Form

| | | | |
|-----------------|-------------------------|-------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | ITB/006/18 | | |

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

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

Currency of the Bid: [Insert Currency]

A. Price Schedule

| BILL OF QUANTITIES For Construction of External Power Supply to Pumping Stations on Daryelik Arna Canal in Yangibazar and Urgench districts of Khorezm region | | | | | |
|--|--|---------|----------|----------------|-------------|
| # | Description of works and costs | Unit | Quantity | Price per unit | Total price |
| 1 | 2 | 3 | 4 | | |
| Section 1: 10 kV | | | | | |
| 1 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment | support | 165.0000 | | |
| 2 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with one strut | support | 41.0000 | | |
| 3 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with two struts | support | 12.0000 | | |
| 4 | Installation of reinforced concrete slab for supports OHL 35 kV anchor-type of up to 0.2 m3 | pcs | 118.0000 | | |
| 5 | Waterproofing of prefabricated concrete foundation OHL and OSG (open switchgear), poles of spun concrete supports of OHL and reinforced concrete portals of OSG: at twice asphalting | 100 m2 | 7.6410 | | |
| 6 | Set-up of extended ground-wire in soil of 1-04 groups, at beam length up to 10 m | 100 m | 28.3000 | | |
| 7 | Wire mounting for OHL 6-10 kV in populated area, core section up to 35 mm2 by machinery at 10 supports | km | 0.7220 | | |
| 8 | At increase in number of supports by 1 km of OHL to 33-04-009-5 regulatory standard | support | 8.0000 | | |
| 9 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 35/6.2 | ton | 0.3358 | | |
| 10 | Wire mounting for OHL 6-10 kV in populated area, core section above 35 mm2 by machinery at 10 supports | km | 13.3570 | | |
| 11 | At increase in number of supports by 1 km of OHL to 33-04-009-6 regulatory standard | support | 77.0000 | | |
| 12 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 50/8 | ton | 5.3610 | | |
| 13 | Non-insulated wire for overhead power lines from zinc-coated steel wire of 1 group and aluminium wire of AS brand, core section, mm2: 70/11 | ton | 4.0368 | | |
| 14 | Installation of surge arrestor by machinery | set | 2.0000 | | |
| 15 | Surge arrestor, RVO (Surge arrestor valve reduced-weight)-10 type | pcs | 3.0000 | | |

| | | | | | |
|----|--|------------|----------|--|--|
| 16 | Surge arrestor, RTU (Surge arrestor valve climatic version)-10 type | pcs | 3.0000 | | |
| 17 | Wire mounting for 10-20 kV OHL on passages through road obstacles of 1 and 2 categories | passage | 16.0000 | | |
| 18 | Installation of disconnecting devices by machinery | set | 7.0000 | | |
| 19 | Disconnecting device LISO-1-10/400 | pcs | 7.0000 | | |
| 20 | Manual loading and unloading of glass dished suspended insulators | ton | 4.0000 | | |
| 21 | Manual loading and unloading of line hardware | ton | 0.2800 | | |
| 22 | Haulage of reinforced-concrete poles from on-site storage to work area amidst lack of roads | ton | 331.3000 | | |
| 23 | Haulage of reinforced-concrete foundation, wire and rope from on-site storage to work area amidst lack of roads | ton | 9.7300 | | |
| 24 | Haulage of insulators and line hardware from on-site storage to work area amidst lack of roads | ton | 4.2800 | | |
| 25 | Haulage of steel support components, crossarms of concrete supports from on-site storage to work area amidst lack of roads | ton | 9.2500 | | |
| 26 | Handling operations at power-line. loading and unloading of steel support components, crossarms of concrete supports, wooden supports, wire and rope | ton | 9.2500 | | |
| 27 | Handling operations at power-line. Loading and unloading of reinforced-concrete foundation, poles of supports and piles | ton | 331.3000 | | |
| 28 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of structural units | substation | 4.0000 | | |
| 29 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of equipment | substation | 4.0000 | | |
| 30 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of structural units | substation | 3.0000 | | |
| 31 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of equipment | substation | 3.0000 | | |
| 32 | KTPS type package transformer substation with 250 kVA transformer | set | 1.0000 | | |
| 33 | KTPS type package transformer substation with 160 kVA transformer | set | 2.0000 | | |
| 34 | KTPS type package transformer substation with 100 kVA transformer | set | 2.0000 | | |
| 35 | KTPS type package transformer substation with 40 kVA transformer | set | 1.0000 | | |
| 36 | KTPS type package transformer substation with 25 kVA transformer | set | 1.0000 | | |
| 37 | Attachments PT43 | pcs | 30.0000 | | |
| 38 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm ² | 100 m | 1.4000 | | |
| 39 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm ² 160 | 100 m | 0.7070 | | |
| 40 | Vertical ground conductor from angle bar, size, mm 50x50x5 | 10 pcs | 2.8000 | | |
| 41 | Dismantling of equipment for package transformer substations of cabinet type | substation | 1.0000 | | |
| 42 | FBS (construction foundation block) blocks-24-4-6t | pcs | 2.0000 | | |
| 43 | FBS (construction foundation block) blocks -12-4-6 | pcs | 2.0000 | | |
| 44 | Setting of foundation for package transformer substations of kiosk type with vertical embedding of 4 poles into soil | substation | 1.0000 | | |
| 45 | Installation of equipment for package transformer substations of kiosk type, terminal substations with overhead entries | substation | 1.0000 | | |

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|----|--|----------------|--------|--|--|
| 46 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm2 | 100 m | 0.2000 | | |
| 47 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm2 160 | 100 m | 0.1010 | | |
| 48 | Vertical ground conductor from angle bar, size, mm 50x50x5 | 10 pcs | 0.4000 | | |
| 49 | Dismantling of substation with a capacity of up to 100 kVA, installation of equipment | substation | 1.0000 | | |
| 50 | Dismantling of substation with a capacity of 250 kVA | substation | 1.0000 | | |
| 51 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of structural units | substation. | 1.0000 | | |
| 52 | Installation of pole-mounted substation with a capacity of up to 250 kVA, installation of equipment | substation. | 1.0000 | | |
| 53 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of structural units | substation | 1.0000 | | |
| 54 | Installation of pole-mounted substation with a capacity of up to 100 kVA, installation of equipment | substation | 1.0000 | | |
| 55 | Attachments PT43 | pcs | 8.0000 | | |
| 56 | Earth conductors. Horizontal ground conductor from flat steel, core section 160 mm2 | 100 m | 0.4000 | | |
| 57 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm2 160 | 100 m | 0.2020 | | |
| 58 | Vertical ground conductor from angle bar, size, mm, 50x50x5 | 10 pcs | 0.8000 | | |
| 59 | Manual soil excavation in trenches, up to 2m depth, without timbering, sloped, soil group 2, from outdoor switchgear-10 kV to road (L53.5xD0.9xW0.5) | 100 m3 | 0.2408 | | |
| 60 | Cables up to 35 kV in finished trenches without cover. Cable, weight of 1 m, kg, up to 1, from Outdoor switchgear-10 kV to road 1st support (3x61=183 m) | 100 m | 1.8300 | | |
| 61 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm2: 95 | 1000 m | 0.1830 | | |
| 62 | Cable terminator, voltage up to 10 kV, core section, mm2, up to 120 | pcs | 3.0000 | | |
| 63 | Construction of bed with one cable in trench | 100 m | 0.5350 | | |
| 64 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 1.0700 | | |
| 65 | One cable brick coverage | 100 m | 0.6100 | | |
| 66 | Each subsequent cable brick coverage | 100 m | 1.2200 | | |
| 67 | One cable coverage with signal ribbon | 100 m of cable | 0.5350 | | |
| 68 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 1.0700 | | |
| 69 | Hand refilling of trench, pit hollow and pockets, soil group 2 (L53.5xD0.48xW0.5) | 100 m3 | 0.1284 | | |
| 70 | Demolition of asphalt-concrete cover and foundation (L10xD0.10xW0.7) | 100 m3 | 0.0070 | | |
| 71 | Demolition of rubble or gravel cover and foundation (L14xD0.10xW0.7) | 100 m3 | 0.0098 | | |
| 72 | Trenching to disposal area with back digger with 0.25 bucket, m3, soil group: 2 (L14xD1.9xW0.7) | 1000 m3 | 0.0186 | | |
| 73 | steel pipe laying, diameter, 100 mm (14m, 3 pcs per phase) | km | 0.0420 | | |
| 74 | Placing of heavy duty rust-proof bitumen-rubber or bitumen-polymeric insulation on steel pipes, diameter, 100 mm | km | 0.0420 | | |
| 75 | Cables up to 35 kV in laid pipes, boxes and ducts. Cable, weight. 1 m, kg, up to 1 (3x14=42 m) | 100 m | 0.4200 | | |
| 76 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm2: 95 | 1000 m | 0.0420 | | |

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|--------------------------|---|----------------|--------|--|--|
| 77 | Construction of bed with one cable in trench | 100 m | 0.1400 | | |
| 78 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 0.2800 | | |
| 79 | One cable coverage with signal ribbon | 100 m of cable | 0.1400 | | |
| 80 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 0.2800 | | |
| 81 | Refilling of trench and borrow pit with earthmoving up to 5 m with bulldozer of 59 [80] kW [HP], 2 soil group (L14xD1.41xW0.7) | 1000 m3 | 0.0138 | | |
| 82 | Compaction with pneumatic rammer, soil group 1, 2 (L14xD1.41xW0.7) | 100 m3 | 0.1381 | | |
| 83 | Bottoming and surfacing from single-layer sand and gravel mix, thickness, 12 cm (L14xW0.7) | 1000 m2 | 0.0098 | | |
| 84 | Bottoming, thickness, 15 cm from crushed stone of 40-70 mm fraction [at rolling of rock material with compressive resistance over 98.1 [1000] MPa [kp/cm2], single-layer (L14xW0.7) | 1000 m2 | 0.0098 | | |
| 85 | Surfacing from cold-mixed asphalt, thickness, 3 cm, BH type (L14xW0.7) | 1000 m2 | 0.0098 | | |
| 86 | Surfacing, thickness, 4 cm from solid fine-grained hot-mixed asphalt, ABV type (asphalt-concrete with gravel content 30 to 40%), density of rock material 2.5-2.9 ton/m3 (L14xW0.7) | 1000 m2 | 0.0098 | | |
| 87 | Trenching to disposal area with back digger with 0.25 bucket, m3, soil group: 2 (L18.3xD0.9xW0.7) | 1000 m3 | 0.0115 | | |
| 88 | Cables up to 35 kV in finished trenches without cover. Cable, weight of 1 m, kg, up to 1, from road to 1st support (3x32.3=96.9 m) | 100 m | 0.9690 | | |
| 89 | Power cables with Pe-X-A insulation (polyvinylchloride) for voltage of 10000 V, core section, mm2: 95 | 1000 m | 0.0969 | | |
| 90 | Construction of bed with one cable in trench | 100 m | 0.1830 | | |
| 91 | Construction of bed for each subsequent cable to be added to price 08-02-142-1 | 100 m | 0.3660 | | |
| 92 | One cable brick coverage | 100 m | 0.1830 | | |
| 93 | Each subsequent cable brick coverage | 100 m | 0.3660 | | |
| 94 | One cable coverage with signal ribbon | 100 m of cable | 0.1830 | | |
| 95 | Each subsequent cable coverage with signal ribbon | 100 m of cable | 0.3660 | | |
| 96 | Refilling of trench and borrow pit with earthmoving up to 5 m with bulldozer of 59 [80] kW [HP], 2 soil group (L18.3xD0.59xW0.7) | 1000 m3 | 0.0076 | | |
| 97 | Sleeve for 1-core cable, voltage up to 10 kV, core section, mm2, up to 120 | pcs | 2.0000 | | |
| 98 | Heat shrink end sleeve | set | 2.0000 | | |
| 99 | Dismantling of rectilinear and curvilinear, guarded emergency stairs | ton | 0.0700 | | |
| 100 | Dismantling of door-case in walls with manual break-off of plaster in splays: aluminium | 100 cases | 0.0100 | | |
| 101 | Installation of socle blocks, weight, up to 2.5 ton | 100 pcs | 0.0300 | | |
| 102 | Cubicle switchboard 6-10 kV. outdoor cabinet with maintenance corridor and closing switch | pcs | 1.0000 | | |
| 103 | Cubicle switchboard K-59 | set | 1.0000 | | |
| 104 | Installation of rectilinear and curvilinear, guarded emergency stairs | ton | 0.0700 | | |
| 105 | Installation of wooden-aluminium, aluminium, steel-plastic boxes in outer and inner doorways: in partitions with opening area up to 3 m2 | 100 m2 | 0.0150 | | |
| ASCAPC at Cubicle | | | | | |

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|------------------|--|-------|--------|--|--|
| 106 | Installation of electronic meter | pcs | 1.0000 | | |
| 107 | Electronic meter DSSD-536 | pcs | 1.00 | | |
| 108 | Installation of circuit-breaker | pcs | 1.00 | | |
| 109 | Circuit-Breaker VA47-29 | pcs | 1.00 | | |
| 110 | Installation of blocks | pcs | 1.00 | | |
| 111 | Test block BI-9 | pcs | 1.00 | | |
| 112 | Installation of cabinet for ASCAPC | pcs | 1.00 | | |
| 113 | Cabinet for ASCAPC with lock (600x600x300) | pcs | 1.00 | | |
| 114 | Cord on installed steelwork and panels, core section, mm2, up to 16 | 100 m | 0.10 | | |
| 115 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 m | 0.10 | | |
| 116 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-4x4 | m | 5.00 | | |
| 117 | Comm Cable KKPV (vertical turning cable duct)-4X2X0.52 | m | 5.00 | | |
| 118 | Hose, outdoor, diameter, mm, up to 48 | 100 m | 0.03 | | |
| 119 | Metal Hose RZ-TS-H-SH15 | m | 3.00 | | |
| 120 | Metalware | ton | 0.0020 | | |
| 121 | SIM card | pcs | 1.00 | | |
| 122 | Data Terminal GSM HL3204 | pcs | 1.00 | | |
| Materials | | | | | |
| 123 | Supports SV110-3.5 | pcs | 283.00 | | |
| 124 | Anchor Bearing Plate P-ZI | pcs | 118.00 | | |
| 125 | Crossarm TM3 | pcs | 8.00 | | |
| 126 | Crossarm TM10 | pcs | 47.00 | | |
| 127 | Crossarm TM5 | pcs | 24.00 | | |
| 128 | Crossarm TM6 | pcs | 29.00 | | |
| 129 | Crossarm TM9 | pcs | 94.00 | | |
| 130 | Adapter TS-1 | pcs | 23.00 | | |
| 131 | Cover Plate OG-2 | pcs | 42.00 | | |
| 132 | Cover Plate OG-5 | pcs | 21.00 | | |
| 133 | Cover Plate OG-9 | pcs | 188.00 | | |
| 134 | Clip X42 | pcs | 272.00 | | |
| 135 | Clip X-1 | pcs | 44.00 | | |
| 136 | Clip X-2 | pcs | 24.00 | | |
| 137 | Mounting Bracket U-1 | pcs | 65.00 | | |
| 138 | Wire Tie G1 | pcs | 118.00 | | |
| 139 | Mounting Bracket PA-1 | pcs | 7.00 | | |
| 140 | Mounting Bracket PA-2 | pcs | 7.00 | | |
| 141 | Mounting Bracket P-1 | pcs | 7.00 | | |
| 142 | Mounting Bracket P-2 | pcs | 7.00 | | |
| 143 | Drive Shaft PA-3 | pcs | 7.00 | | |
| 144 | Clip X-1 | pcs | 16.00 | | |
| 145 | Clip X-2 | pcs | 16.00 | | |
| 146 | Conductor ZP-1 | pcs | 7.00 | | |

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| 147 | Insulator SHF-20 V (pin-type porcelain)) | pcs | 968.00 | | |
| 148 | Suspended Insulator PS-70D | set | 240.00 | | |
| 149 | Eyelet U1-7-16 | pcs | 120.00 | | |
| 150 | Wedge Strain Clamp NKK-1-1B | pcs | 120.00 | | |
| 151 | Arm Link SRS-7-17 | pcs | 120.00 | | |
| 152 | Cramp SK-7 | pcs | 120.00 | | |
| 153 | Apparatus Compression Clamp A2A-50 | pcs | 321.00 | | |
| 154 | Earth Conductor ZP1 | m | 396.00 | | |
| 155 | Drop Link PRT-7 | pcs | 12.00 | | |
| 156 | Drive PRN-3-10U1 | pcs | 7.00 | | |
| 157 | Cord Bracing SPS-1 | pcs | 14.00 | | |
| 158 | Clamp PA-2 | pcs | 42.00 | | |
| 159 | Clamp A1A | pcs | 42.00 | | |
| 160 | Bolt M 12X40 | pcs | 77.00 | | |
| 161 | Bolt M 8X60 | pcs | 42.00 | | |
| 162 | Nut M 12 | pcs | 77.00 | | |
| 163 | Nut M 8 | pcs | 42.00 | | |
| 164 | Washer 12 | pcs | 77.00 | | |
| 165 | Washer 8 | pcs | 42.00 | | |
| 166 | Brick (L72xpcs12) | pcs | 864.00 | | |
| 167 | Sand | m3 | 12.60 | | |
| Section 2: 0.4 kV | | | | | |
| 168 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment PP(ram blowout plate) 4-4, PZ-4 | support | 8.0000 | | |
| 169 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with one strut PUA4-4, PK4-4, K4-8, KZ-4 | support | 8.0000 | | |
| 170 | Installation of concrete supports OHL 0.38, 6-10 kV with crossarms without single-frame attachment with two struts PUA5-8 | support | 1.0000 | | |
| 171 | Waterproofing of prefabricated concrete foundation OHL and open switch gear (OSG), poles of spun concrete supports OHL and reinforced concrete portals of OSG: at twice asphaltting | 100 m2 | 0.6000 | | |
| 172 | Set-up of extended ground-wire in soil of 1-04 groups, at beam length up to 10 m | 100 m | 1.3500 | | |
| 173 | Non-insulated wire mounting for 0.38 kV OHL by machinery at 20 supports | km | 0.6120 | | |
| 174 | At increase in number of supports by 1 km of OHL to regulatory standard 33-04-008-1 | support | 5.0000 | | |
| 175 | Non-insulated aluminium wire for overhead power lines, model A, core section, mm2: 25 | ton | 0.0436 | | |
| 176 | Non-insulated aluminium wire for overhead power lines, model A, core section, mm2: 50 | ton | 0.2608 | | |
| 177 | Manual loading and unloading of line hardware | ton | 0.0910 | | |
| 178 | Haulage of reinforced-concrete poles from on-site storage to work area amidst lack of roads | ton | 25.6500 | | |
| 179 | Haulage of reinforced-concrete foundation, wire and rope from on-site storage to work area amidst lack of roads | ton | 0.3044 | | |
| 180 | Haulage of insulators and line hardware from on-site storage to work area amidst lack of roads | ton | 0.0910 | | |

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| 181 | Haulage of steel support components, crossarms of concrete supports from on-site storage to work area amidst lack of roads | ton | 0.5507 | | |
| 182 | Handling operations at power-line. loading and unloading of steel support components, crossarms of concrete supports, wooden supports, wire and rope | ton | 0.5507 | | |
| 183 | Handling operations at power-line. Loading and unloading of reinforced-concrete foundation, poles of supports and piles | ton | 25.6500 | | |
| 184 | Static condensers and package capacitor units. Package capacitor unit [cabinet] on installed structures, weight, kg, up to 100 | pcs | 16.0000 | | |
| 185 | UKM (capacitor unit)58-0.4-15-5UZ | pcs | 1.0000 | | |
| 186 | UKM (capacitor unit)58-0.4-20-5UZ | pcs | 8.0000 | | |
| 187 | UKM (capacitor unit)58-0.4-30-10UZ | pcs | 1.0000 | | |
| 188 | UKM (capacitor unit)58-0.4-40-10UZ | pcs | 3.0000 | | |
| 189 | UKM (capacitor unit)58-0.4-62.5-12.5UZ | pcs | 1.0000 | | |
| 190 | UKM (capacitor unit)58-0.4-120-30UZ | pcs | 2.0000 | | |
| 191 | Power cables VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X10 | 1000 M | 0.0050 | | |
| 192 | Power cables VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X16 (9X5 45M) | 1000 M | 0.0450 | | |
| 193 | Copper tip 10 | pcs | 8.0000 | | |
| 194 | Copper tip 16 | pcs | 72.0000 | | |
| 195 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 M | 0.5000 | | |
| 196 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 35 | pcs | 80.0000 | | |
| 197 | Power cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X25 (3X5 15M) | 1000 M | 0.0150 | | |
| 198 | Power cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core section MM2: 4X35 | 1000 M | 0.0050 | | |
| 199 | Copper tip 25 | pcs | 24.0000 | | |
| 200 | Copper tip 35 | pcs | 8.0000 | | |
| 201 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 2 | 100 M | 0.2000 | | |
| 202 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 35 | pcs | 32.0000 | | |
| 203 | Cable VVG ,1000 V voltage, with copper leads with polyvinyl chloride insulation and shell with filler, four leads, four-leads, core sectionMM2: 4X95 (2X5 10) | 1000 M | 0.0100 | | |

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| 204 | Copper tip 95 | pcs | 16.0000 | | |
| 205 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 6 | 100 M | 0.1000 | | |
| 206 | Finishing of cable tips for 3-004-lead cable with plastic and rubber insulation voltage up to 1 kV, core section of one lead, MM2, up to 120 | pcs | 16.0000 | | |
| 207 | Earth conductors. grounding wire on construction bed from flat steel, core section, mm2 160 | 100 M | 0.3200 | | |
| ASCAPC at Transformer Substation | | | | | |
| 208 | Installation of electronic meter | pcs | 2.0000 | | |
| 209 | Electricity meter DTS-541 | pcs | 2.0000 | | |
| 210 | Data concentrator CGZO40-1J | pcs | 2.0000 | | |
| 211 | Installation of circuit-breaker | pcs | 2.0000 | | |
| 212 | Circuit-breaker VA47-29 | pcs | 2.0000 | | |
| 213 | Installation of blocks | pcs | 2.0000 | | |
| 214 | Test block BI-9 | pcs | 2.0000 | | |
| 215 | Installation of cabinet for ASCAPC | pcs | 2.0000 | | |
| 216 | Cabinet for ASCAPC with lock (600X600X300) | pcs | 2.0000 | | |
| 217 | Current transformer, voltage, kV, up to 10 | pcs | 6.0000 | | |
| 218 | Current Transformer TTI-0.66 100/5A | pcs | 3.0000 | | |
| 219 | Current Transformer TTI-0.66 50/5A | pcs | 3.0000 | | |
| 220 | Cord on installed steelwork and panels, core section, mm2, up to 16 | 100 m | 0.2000 | | |
| 221 | Cables up to 35 kV on installed structures and trays. Cable with mounting on turns and at power-line end, weight, 1 m, kg, up to 1 | 100 m | 0.3200 | | |
| 222 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-4x4 | m | 6.0000 | | |
| 223 | Vinyl-insulated flexible aluminum power cable in vinyl sheathing-2X4 | m | 6.0000 | | |
| 224 | Comm cable KKPV-4X2X0.52 | m | 20.0000 | | |
| 225 | Hose, outdoor, diameter, mm, up to 48 | 100 m | 0.0300 | | |
| 226 | Metal hose RZ-TS-X-SH15-(hose nonwatertight galvanized silk-and-cotton sealing) | m | 3.0000 | | |
| 227 | Metalware | ton | 0.0010 | | |
| 228 | SIM card | pcs | 2.0000 | | |
| 229 | Installation of converter RS-485 | pcs | 2.0000 | | |
| 230 | Converter RS-485 | pcs | 2.0000 | | |
| 231 | Software | pcs | 2.0000 | | |
| Materials | | | | | |
| 232 | Supports SV110-3.5 | pcs | 11.00 | | |
| 233 | Pole SV95-2 | pcs | 16.00 | | |

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| 234 | Concrete Attachment PT43-2 | pcs | 4.00 | | |
| 235 | Earth Conductor ZP2 | m | 31.65 | | |
| 236 | Crossarm TN-9 | pcs | 38.00 | | |
| 237 | Crossarm TN-4 | pcs | 14.00 | | |
| 238 | Adapter TS-5 | pcs | 2.00 | | |
| 239 | Clip X-10 | pcs | 10.00 | | |
| 240 | Clip X-12 | pcs | 24.00 | | |
| 241 | Clip X-24 | pcs | 8.00 | | |
| 242 | Insulator TF-20V (T- insulator porcelain) | pcs | 142.00 | | |
| 243 | Clamp PA (clamp ram blowout A-30mm2) | pcs | 200.00 | | |
| 244 | Clamp PS-1-1 (clamp ram blowout S- steel wire) | pcs | 27.00 | | |
| 245 | Brick (L529xpcs8) | pcs | 4232.00 | | |
| 246 | Sand | m3 | 66.10 | | |
| 247 | Brick (L26xpcs8) | pcs | 208.00 | | |
| 248 | Sand | m3 | 3.25 | | |
| Section 3: Commissioning Works | | | | | |
| Commissioning Works on Testing of Electric Equipment for Outdoor switchgear-10 kV | | | | | |
| 249 | Circuit breaker with magnetic blast or vacuum one, voltage, kV, up to: 11 | pcs | 1.00 | | |
| 250 | Remote transformer with solid insulation, voltage, kV, up to: 11 | pcs | 3.00 | | |
| 251 | Transformer winding: instrument: primary | test | 3.00 | | |
| 252 | Transformer winding: instrument: secondary | test | 1.00 | | |
| 253 | Zero-sequence transformer: without magnetic bias field | pcs | 1.00 | | |
| 254 | Transformer winding: instrument: secondary | test | 1.00 | | |
| 255 | Fault current measurement: voltage limiter | 1 measuring | 3.00 | | |
| 256 | Insulation resistance test with megaohmmeter: windings of machines and devices | 1 measuring | 3.00 | | |
| 257 | Switching device, voltage, kV up to: 35 | test | 3.00 | | |
| 258 | Buses, voltage, kV, up to: 11 | test | 3.00 | | |
| 259 | Electric continuity testing between ground-wires and grounded members | 100 points | 0.01 | | |
| 260 | Insulation resistance test with megaohmmeter: cable and other lines, voltage up to 1 kV, designed to power transmission to switchyards, boards, cabinets, switching devices and electrical consumers | 1 line | 1.00 | | |
| 261 | Three-pole switch: with magnetic, thermal or combined cut-off, rated current A, up to: 50 | pcs | 1.00 | | |
| 262 | Switching device, voltage, kV up to: 1 [for power supply circuits] | test | 1.00 | | |
| 263 | Control wiring circuits | test | 10.00 | | |
| Relay Protection and Automation of Outdoor switchgear-10 kV | | | | | |
| 264 | Control wiring layout of circuit breaker,: voltage up to 11 kV with local control system and common drive: magnetic | layout | 1.00 | | |
| 265 | Layout, number of lockable devices up to: 10 | layout | 1.00 | | |
| 266 | Arc flash protection of sections: cubicle switchboards [Cs] | set | 1.00 | | |
| 267 | Non-contact gauge, number of "input/output" up to: 3 | pcs | 1.00 | | |
| 268 | Protection: terminal | set | 1.00 | | |
| 269 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 | layout | 1.00 | | |

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| 270 | Wiring of three-wire system, number of panels [cabinets, cubicle]: for each subsequent panel [cabinet, cubicle] over 2 | layout | 1.00 | | |
| 271 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 (relating to control goals), Coefficient=0.7 | layout | 1.00 | | |
| 272 | Wiring of three-wire system, number of panels [cabinets, cubicle]: for each subsequent panel [cabinet, cubicle] over 2 (relating to control goals), Coefficient=0.7 | layout | 1.00 | | |
| 273 | Wiring of three-wire system, number of panels [cabinets, cubicle]: up to 2 (relating to control goals), coefficient=1.3 | layout | 1.00 | | |
| 274 | Acquisition and implementation of data signals from protection devices, automation of electrical and operating schedules | signal | 1.00 | | |
| 275 | Reading, processing and analysis: clock diagrams | 1 diagram | 1.00 | | |
| 276 | Coupling, number of linked equipment, pcs., up to: 5 | coupling | 1.00 | | |
| Commissioning Works | | | | | |
| 277 | Oil testing: breakdown | test | 7.00 | | |
| 278 | Power transformer winding | test | 7.00 | | |
| 279 | Power cable, up to 500 m long, voltage, kV, up to: 10 | test | 3.00 | | |

Name of Bidder: _____

Authorised signature: _____

Name of authorised signatory: _____

Functional Title: _____

FORM G: Performance Security³

(This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made on this template)

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

WHEREAS [*name and address of Contractor*] (hereinafter called “the Contractor”) has undertaken, in pursuance of Contract No. [Click here to enter text](#), dated [Click here to enter a date](#), to execute Services (hereinafter called “the Contract”):

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract:

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of [*amount of guarantee*] [*in words and numbers*], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [*amount of guarantee as aforesaid*] without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid until a date 30 days from the date of issue by UNDP of a certificate of satisfactory performance and full completion of services by the Contractor.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Date

Name of Bank

Address

³ If the RFP/ITB requires the submission of a Performance Security, which shall be made a condition to the signing and effectivity of the contract, the Performance Security that the Proposer’s Bank will issue shall use the contents of this template