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INVITATION TO BID

Rehabilitation of Haditha Unified Water Plant

ITB No.: **IRQ-ITB-261/20**

Project: **Funding Facility for Stabilization (FFS)**

Country: **Iraq**

Issued on: **18 June 2020**

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Section 1. Letter of Invitation

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

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

Section 1: This Letter of Invitation
Section 2: Instruction to Bidders
Section 3: Bid Data Sheet (BDS)
Section 4: Evaluation Criteria
Section 5: Schedule of Requirements and Technical Specifications
Section 6: Returnable Bidding Forms

- Form A: Bid Submission Form
- Form B: Bidder Information Form
- Form C: Joint Venture/Consortium/Association Information Form
- Form D: Qualification Form
- Form E: Format of Technical Bid
- Form F: Price Schedule
- Form G: Form of Bid Security
- Form G.1: Template for Bid Security Confirmation
- Form H Performance Security

Annex 1: BOQ (Attached separately)
Annex 2: Scope of Works
Annex 3 : Drawings
Appendix 1: User Guide to bidders for use of E-tendering System
Appendix 2: UNDP General Terms and Conditions for Works

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.

In case your company is not registered in the E-Tendering Module, please use the following temporary username and password to register your company/firm:

Username: event.guest
Password: why2change

Bidders who will be registered on the e-tendering will be able to download the complete bidding documents from the e-tendering website at: https://etendering.partneragencies.org

"Bidders can download the complete tender documentation from the e-Tendering upon registration".

The Procurement notice includes the details of the UNDP focal person and the email provided is a Yahoo account as per following details:

Note: The bidders are required to conduct the site visit for the complete understanding of the Scope of work:

Mandatory Site Visit Date and Time: **28-Jun-20 between 10:00 am till 12:00 pm**

Focal Person : Eng. Kuthban D. Alheety;
Mobile No: +964(0) 781 603 7840;
Email: hitatnet@yahoo.com

If you need further information, please feel free to contact the following:
Name: Mohammed Abbas HASSAN
Email: mohammed.abbas@undp.org

You may acknowledge receipt of this ITB utilize the "Accept Invitation" function in e-Tendering system, where applicable. This will enable you to receive amendments or updates to the ITB. Should you require further clarifications, kindly communicate with the contact person/s identified in the attached Data Sheet as the focal point for queries on this ITB.
UNDP looks forward to receiving your Bid and thank you in advance for your interest in UNDP procurement opportunities.

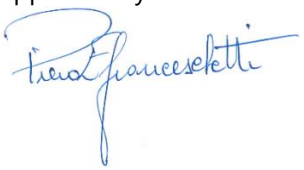
Issued by



_____

Name: Mohammed Abbas HASSAN
Title: Procurement Analyst
Date: **June 18, 2020**

Approved by:



_____

Name: Piero Emanuele Franceschetti
Title: Head of Service Center,
Date: **June 18, 2020**

Section 2. Instruction to Bidders

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

	3.2	It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.
4. Conflict of Interests	4.1	Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they: a) Are or have been associated in the past, with a firm or any of its affiliates which have been engaged by UNDP to provide services for the preparation of the design, specifications, Terms of Reference, cost analysis/estimation, and other documents to be used for the procurement of the goods and services in this selection process; b) Were involved in the preparation and/or design of the programme/project related to the goods and/or services requested under this ITB; or c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP.
	4.2	In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to UNDP, and seek UNDP's confirmation on whether or not such conflict exists.
	4.3	Similarly, the Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this ITB; and b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices. Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.
	4.4	The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.
B. PREPARATION OF BIDS		
5. General Considerations	5.1	In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in rejection of the Bid.
	5.2	The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must notify the UNDP accordingly.

6. Cost of Preparation of Bid	6.1 The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. UNDP shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.
7. Language	7.1 The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the BDS.
8. Documents Comprising the Bid	8.1 The Bid shall comprise of the following documents and related forms which details are provided in the BDS: a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid.
9. Documents Establishing the Eligibility and Qualifications of the Bidder	9.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfaction.
10. Technical Bid Format and Content	10.1 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB. 10.2 Samples of items, when required as per Section 5, shall be provided within the time specified and unless otherwise specified by the Purchaser, at no expense to the UNDP. If not destroyed by testing, samples will be returned at Bidder's request and expense, unless otherwise specified. 10.3 When applicable and required as per Section 5, the Bidder shall describe the necessary training programme available for the maintenance and operation of the equipment offered as well as the cost to the UNDP. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS. 10.4 When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of delivery, or as otherwise specified in this ITB.
11. Price Schedule	11.1 The Price Schedule shall be prepared using the Form provided in Section 6 of the ITB and taking into consideration the requirements in the ITB. 11.2 Any requirement described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.
12. Bid Security	12.1 A Bid Security, if required by BDS, shall be provided in the amount and form indicated in the BDS. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid. 12.2 The Bid Security shall be included along with the Bid. If Bid Security is required by the ITB but is not found in the Bid, the offer shall be rejected. 12.3 If the Bid Security amount or its validity period is found to be less than what is

	required by UNDP, UNDP shall reject the Bid. 12.4 In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS. 12.5 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions: a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: i. to sign the Contract after UNDP has issued an award; or ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.
13. Currencies	13.1 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids: a) UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bids; and b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.
14. Joint Venture, Consortium or Association	14.1 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture. 14.2 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP. 14.3 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid. 14.4 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by UNDP. 14.5 A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between:

	a) Those that were undertaken together by the JV, Consortium or Association; and b) Those that were undertaken by the individual entities of the JV, Consortium or Association. 14.6 Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials 14.7 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.
15. Only One Bid	15.1 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture. 15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following: a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this ITB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process; e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
16. Bid Validity Period	16.1 Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive. 16.2 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.
17. Extension of Bid Validity Period	17.1 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered integral to the Bid. 17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid. 17.3 The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.
18. Clarification of Bid (from the Bidders)	18.1 Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no

	obligation to respond or confirm that the query was officially received. 18.2 UNDP will provide the responses to clarifications through the method specified in the BDS. 18.3 UNDP shall endeavour to provide responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bids, unless UNDP deems that such an extension is justified and necessary.
19. Amendment of Bids	19.1 At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders. 19.2 If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.
20. Alternative Bids	20.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative Bid. 20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"
21. Pre-Bid Conference	21.1 When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.
C. SUBMISSION AND OPENING OF BIDS	
22. Submission	22.1 The Bidder shall submit a duly signed and complete Bid comprising the documents and forms in accordance with requirements in the BDS. The Price Schedule shall be submitted together with the Technical Bid. Bid can be delivered either personally, by courier, or by electronic method of transmission as specified in the BDS. 22.2 The Bid shall be signed by the Bidder or person(s) duly authorized to commit the Bidder. The authorization shall be communicated through a document evidencing such authorization issued by the legal representative of the bidding entity, or a Power of Attorney, accompanying the Bid. 22.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the UNDP General Contract Terms and Conditions.

Hard copy (manual) submission	22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows: a) The signed Bid shall be marked "Original", and its copies marked "Copy" as appropriate. The number of copies is indicated in the BDS. All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail. (b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall: i. Bear the name of the Bidder; ii. Be addressed to UNDP as specified in the BDS; and iii. Bear a warning not to open before the time and date for Bid opening as specified in the BDS. If the envelope with the Bid is not sealed and marked as required, UNDP shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.
Email and eTendering submissions	22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows: a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS; b) Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions in BDS. 22.6 Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/
23. Deadline for Submission of Bids and Late Bids	23.1 Complete Bids must be received by UNDP in the manner, and no later than the date and time, specified in the BDS. UNDP shall only recognise the actual date and time that the bid was received by UNDP 23.2 UNDP shall not consider any Bid that is received after the deadline for the submission of Bids.
24. Withdrawal, Substitution, and Modification of Bids	24.1 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission. 24.2 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to UNDP, duly signed by an authorized representative, and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as "WITHDRAWAL" "SUBSTITUTION," or "MODIFICATION" 24.3 eTendering: A Bidder may withdraw, substitute or modify its Bid by Cancelling, Editing, and re-submitting the Bid directly in the system. It is the responsibility of the Bidder to properly follow the system instructions, duly edit and submit a substitution or modification of the Bid as needed. Detailed instructions on how to cancel or modify a Bid directly in the system are provided in the Bidder User Guide and Instructional videos.

	24.4 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.
25. Bid Opening	25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members. 25.2 The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submissions, in which case, the Bid shall be returned unopened to the Bidders. 25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.
D. EVALUATION OF BIDS	
26. Confidentiality	26.1 Information relating to the examination, evaluation, and comparison of Bids, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award. 26.2 Any effort by a Bidder or anyone on behalf of the Bidder to influence UNDP in the examination, evaluation and comparison of the Bids or contract award decisions may, at UNDP's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing UNDP's vendor sanctions procedures.
27. Evaluation of Bids	27.1 UNDP will conduct the evaluation solely on the basis of the Bids received. 27.2 Evaluation of Bids shall be undertaken in the following steps: a) Preliminary Examination including Eligibility b) Arithmetical check and ranking of bidders who passed preliminary examination by price. c) Qualification assessment (if pre-qualification was not done) a) Evaluation of Technical Bids b) Evaluation of prices Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary
28. Preliminary Examination	28.1 UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.
29. Evaluation of Eligibility and Qualification	29.1 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria). 29.2 In general terms, vendors that meet the following criteria may be considered qualified: a) They are not included in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's ineligible vendors' list; b) They have a good financial standing and have access to adequate financial

	resources to perform the contract and all existing commercial commitments, c) They have the necessary similar experience, technical expertise, production capacity, quality certifications, quality assurance procedures and other resources applicable to the supply of goods and/or services required; d) They are able to comply fully with the UNDP General Terms and Conditions of Contract; e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and f) They have a record of timely and satisfactory performance with their clients.
30. Evaluation of Technical Bid and prices	30.1 The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.
31. Due diligence	31.1 UNDP reserves the right to undertake a due diligence exercise, aimed at determining to its satisfaction, the validity of the information provided by the Bidder. Such exercise shall be fully documented and may include, but need not be limited to, all or any combination of the following: a) Verification of accuracy, correctness and authenticity of information provided by the Bidder; b) Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team; c) Inquiry and reference checking with Government entities with jurisdiction on the Bidder, or with previous clients, or any other entity that may have done business with the Bidder; d) Inquiry and reference checking with previous clients on the performance on on-going or completed contracts, including physical inspections of previous works, as deemed necessary; e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder; f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.
32. Clarification of Bids	32.1 To assist in the examination, evaluation and comparison of Bids, UNDP may, at its discretion, request any Bidder for a clarification of its Bid. 32.2 UNDP's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bids, in accordance with the ITB. 32.3 Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bids.
33. Responsiveness of Bid	33.1 UNDP's determination of a Bid's responsiveness will be based on the contents of the bid itself. A substantially responsive Bid is one that conforms to all the terms, conditions, specifications and other requirements of the ITB without material deviation, reservation, or omission.

	33.2	If a bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.
34. Nonconformities, Reparable Errors and Omissions	34.1	Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation.
	34.2	UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
	34.3	For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows: a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail.
	34.4	If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.
E. AWARD OF CONTRACT		
35. Right to Accept, Reject, Any or All Bids	35.1	UNDP reserves the right to accept or reject any bid, to render any or all of the bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. UNDP shall not be obliged to award the contract to the lowest priced offer.
36. Award Criteria	36.1	Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price.
37. Debriefing	37.1	In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
38. Right to Vary Requirements at the Time of Award	38.1	At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or services, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

39. Contract Signature	39.1	Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP. Failure to do so may constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security, if any, and on which event, UNDP may award the Contract to the Second highest rated or call for new Bids.
40. Contract Type and General Terms and Conditions	40.1	The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
41. Performance Security	41.1	A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
42. Bank Guarantee for Advanced Payment	42.1	Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&action=default
43. Liquidated Damages	43.1	If specified in the BDS, UNDP shall apply Liquidated Damages for the damages and/or risks caused to UNDP resulting from the Contractor's delays or breach of its obligations as per Contract.
44. Payment Provisions	44.1	Payment will be made only upon UNDP's acceptance of the goods and/or services performed. The terms of payment shall be within thirty (30) days, after receipt of invoice and certification of acceptance of goods and/or services issued by the proper authority in UNDP with direct supervision of the Contractor. Payment will be effected by bank transfer in the currency of the contract.
45. Vendor Protest	45.1	UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures: http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html
46. Other Provisions	46.1	In the event that the Bidder offers a lower price to the host Government (e.g. General Services Administration (GSA) of the federal government of the United States of America) for similar goods and/or services, UNDP shall be entitled to the same lower price. The UNDP General Terms and Conditions shall have

	precedence. 46.2 UNDP is entitled to receive the same pricing offered by the same Contractor in contracts with the United Nations and/or its Agencies. The UNDP General Terms and Conditions shall have precedence. 46.3 The United Nations has established restrictions on employment of (former) UN staff who have been involved in the procurement process as per bulletin ST/SGB/2006/15 http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&referer

Section 3. Bid Data Sheet

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

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Not Allowed
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid conference / Site Visit	Will be Conducted **(Mandatory Requirement)** The site visit is mandatory. All interested bidders are requested to conduct the site visit. The bid will not be considered for those bidders who will not conduct the site visit and will not be included in further evaluation and will be **rejected**. **All interested potential** bidders to attend the physical site visit for complete understanding of Scope of Work prior to sending the formal bid to UNDP. The site visit will be conducted on Time: 10:00 AM - 12:00 PM Date: 24-Jun-20 Venue: Location: Haditha City - Anbar Governorate **GPS coordinates:** A- Withdrawal Section Unit: 34.1793722, 42.3857664 B- Water Treatment Unit: 34.1754500, 42.3770986 C: Water Distribution Unit: 34.1353156, 42.3715733 The UNDP focal point for the arrangement is: Eng.: Eng. Kuthban D. Alheety; Telephone: +9640781 603 7840 E-mail : hitatnet@yahoo.com

5	16	Bid Validity Period	120 days
6	13	Bid Security	☒ Required Amount: USD 23,200 **Bid Security Validity: 150 Days from the date of deadline. Bid security not valid for 150 days from the date of deadline will be rejected.** Issued in the name of **Resident Representative, UNDP Iraq as per the template provided at Form G of the ITB.** The original bid Security must be kept by the bidder to be presented at a later date upon request. Copy of the bid security should be submitted separately and properly marked along with the Offer. **Note: Bids without bid security will neither be accepted nor be included in the evaluation process.** UNDP reserves the right to reject any bid security when the information provided above cannot be verified by UNDP Acceptable forms of Bid Security: ☒ Bank Guarantee (See Section 6- Form G for template) ☒ Any Bank-issued Check / Cashier's Check / Certified Check Note: Personal and uncertified cheques are not acceptable and leads to rejection. Bidders are also required to complete the Form G1 Confirmation of Bid Security Information and submit the signed form with the bid.
7	41	Advanced Payment upon signing of contract	Not Allowed
8	42	Liquidated Damages	Will be imposed as follows: Percentage of contract price per day of delay: **0.5%** up to 25% of the contract value, after which UNDP may terminate the contract.
9	40	Performance Security	☒ Required Amount :10% of total contract value in Form of: a. Bank guarantee OR Certified Cheque issued by a reputable bank (shall be in accordance with Form included in the Invitation to Bid (Section-9); b. Should be submitted within 15 days upon issuance of

			letter of intent/contract. c. The proceeds of the Performance Security shall be payable to UNDP as a compensation for any loss resulting from the Contractor's failure to complete its obligations under the contract. d. The Performance Security shall be denominated in the currency of the contract valid for a period of 9 Months to cover defect liability period. e. If, within 12 months after the provision of service, any defects are discovered or arise in the normal course of usage, the Supplier shall remedy the defect either by replacement or by repair. f. Upon successfully completion of Defect Liability period of 12 months and upon issuance of final completion certificate, UNDP will return the Performance Security to the bidder. Please refer to general terms and conditions clause 47.1
10	12	Currency of Bid	United States Dollar
11	31	Deadline for submitting requests for clarifications/ questions	**Four (04)** days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	Focal Person in UNDP: Mohammed Abbas HASSAN Address: UNDP, Iraq E-mail address: mohammed.abbas@undp.org Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers
13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Posted directly to e-Tendering Date and time visible on the main screen of the event (on the E-Tendering portal) will be final and prevail over any other closing time indicated elsewhere, in case they are different. The correct bid closing time is as indicated in the E-Tendering portal and system will not accept any bid after that time. It is the responsibility of the bidder to make sure bids are submitted within this deadline. UNDP will not accept any bid that is not submitted directly to the system. Bidders are advised to submit their bid's a day prior or well before the closing time. Do not wait until last minute. If you face any issue submitting your proposal at the last minute, UNDP may not be able to assist.

14	23	Deadline for Submission	For e-Tendering submission - as indicated in e-Tendering system. Note that system time zone is in EST/EDT (New York) time zone.
14	22	Allowable Manner of Submitting Bids	☒ e-Tendering
15	22	Bid Submission Address	https://etendering.partneragencies.org Event Number: **IRQ10-ITB-261/20**
16	22	Electronic submission (e-Tendering) requirements	▪ Format: PDF files (Preferred) ▪ 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. ▪ If you are uploading a large number of files (ex. 15 or more), please zip the files into a ZIP folder and upload the folder instead of each file individually. You can upload several ZIP folders, but if you do this, please note that the total size of each ZIP folder uploaded cannot exceed 50MB.
17	25	Date, time and venue for the opening of bid	This is e-Tendering submission: the bidders will receive an automatic notification once their Bids are opened.
18	27, 36	Evaluation Method for the Award of Contract	Lowest priced technically responsive, eligible and qualified bid.
19		Expected date for commencement of Contract	*August 2, 2020*
20		Maximum expected duration of contract	9 Months
21	35	UNDP will award the contract to:	**☒ One Bidder based on technical qualification and offering the lowest price.**
22	39	Type of Contract	Contract for Civil Works http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Works http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24		Other Information Related to the ITB	**UNDP has zero tolerance for fraud and corruption, meaning that UNDP vendors are not to engage in fraud or corruption. Vendors engaged in fraud and corruption will be subject to sanctions. Fraud includes the submission of fraudulent or**

			mispresented documents, such as bid securities and financial statements. لن يتسامح برنامج الامم المتحدة الانمائي على التزوير أو الفساد، ما معناه أن مقدم الخدمة لن يتورط في أي عملية تزوير او فساد، وعكس ذلك سيتعرضون الى العقوبات. يشمل التزوير تقديم الوثائق المزورة أو العمل على تقديم وثائق خاطئة، مثل خطابات ضمان و كشوفات مالية.

Section 4. Evaluation Criteria

Preliminary Examination Criteria

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

- Appropriate signatures
- Power of Attorney
- Minimum Bid documents provided
- Bid Validity
- Bid Security submitted as per ITB requirements with compliant validity period
- Required Documents as stipulated in the Form B

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	Certificate of Registration of the business; including Articles of Incorporation, or equivalent document if Bidder is not a corporation. *Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country.* (Note: The Bidders that are not registered with the Ministry of Trade in Iraq, shall be required to obtain the certificate of registration for construction activities in Iraq if they are awarded any contracts).	Form B: Bidder Information Form

QUALIFICATION		
Minimum Qualification	**Minimum 2 similar contracts in similar field (Water Projects/Treatment Plants**) successfully completed during the last 10 years; Minimum of one project successfully implemented amounting US$500,000/- and above *(For JV/Consortium/Association, all Parties cumulatively should meet requirement).* **Note: In case of JV the Lead Party shall meet the requirement of minimum 1 project similar in nature** amounting US$500,000 and above. (Minimum 1 contract of similar nature projects for (Rehabilitation/Construction of (Water projects/treatment Plants)	Form D: Qualification Form
History of Non-Performing Contracts	Non-performance of a contract did not occur as a result of contractor default for the last 3 years.	Form D: Qualification Form
Litigation History	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
Previous Experience	List and value of projects performed for the last 10 years, plus client's contact details who may be contacted for further information on those contracts	Form D: Qualification Form
	Statement of Satisfactory Performance from the Top two (2) Clients in terms of similar (Water Treatment Process and Water treatment Plants) completed within last 10 years	Form D: Qualification Form
Financial Standing	Minimum annual turnover should be **US$1,100,000** in any single year for the last 5 years (2014-2015-2016-2017-2018). 2019 will be considered if the audit report is available. *(For JV/Consortium/Association, all Parties cumulatively should meet requirement).* Note: Additionally, UNDP may request other financial documents such as Credit Line Facility, Bank Statements etc. in order to see the bidders' financial soundness (if required). UNDP shall verify the financial capacity of the bidder and has the authority to seek references from concerned parties & banks on the bidder' financial standing. UNDP had the right to reject any bid if submitted by a contractor whom investigation leads to a result that he is not Financially capable and/ or had serious financial problems. **UNDP has zero tolerance for fraud and corruption, meaning that UNDP vendors are not to engage in fraud or corruption. Vendors engaged in fraud and corruption will be subject to sanctions. Fraud includes the submission of fraudulent or mispresented documents, such as bid securities and financial statements.**	Form D: Qualification Form

	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) Comparison with budget/internal estimates. **Price Deviation:** Bidders shall quote reasonable bid prices with an acceptable margin of deviation in comparison to the real local market prices at the time of bids preparation. In case of Unbalanced pricing (i.e. despite an acceptable total evaluated price, the price of one or more BoQ line items is significantly over or understated), UNDP had the right to reject the unbalanced bid if it determines that the lack of balance does pose an unacceptable Risk to UNDP.	
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. Bids not comply with technical requirement and bid's compliance sheets will be rejected and the offer will be disqualified accordingly	Form E: Technical Bid Form
Financial Evaluation	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) Comparison with budget/internal estimates. Comparison with budget/internal estimates.	Form F: Price Schedule Form
Proposed Staff	The bidder shall submit CVs of the below proposed key personnel: - **Project Manager** : A minimum of 7 years of experience of work of an equivalent nature and volume (construction/sewage networks), should have a Degree B.SC in Civil Engineering. The CV should be attached. - **Electrical Engineer:** A minimum of 5 years of experience in the Electrical works of construction/sewage networks should have a B.SC. Electrical Engineering. The CV should be attached. - **Mechanical Engineer:** A minimum of 5 years of experience in the mechanical engineer works of construction/sewage networks should have a B.SC. Mechanical Engineering. The CV should be attached. - **Surveyor:** A minimum of 5 years' work experience in the Surveying related to relevant field. Should have a Diploma in Surveying Engineering. The CV should be attached.	Format for CV of Proposed Key Personnel

<table>
<tr>
<td>Equipment</td>
<td>
<table>
<tr><th>#</th><th>Item / Description</th><th>Minimum Quantity</th></tr>
<tr><td>1</td><td>Excavator with its hydraulic breaker hammer and bucket</td><td>2</td></tr>
<tr><td>2</td><td>Shovel/ Medium size</td><td>2</td></tr>
<tr><td>3</td><td>Bobcat/ Mini Shovel</td><td>1</td></tr>
<tr><td>4</td><td>long reach excavator (Long arm excavator)</td><td>1</td></tr>
<tr><td>5</td><td>Backhoe Loader</td><td>1</td></tr>
<tr><td>6</td><td>Concrete Mixer (whenever needed)</td><td>2</td></tr>
<tr><td>7</td><td>Concrete Pump truck (whenever needed)</td><td>1</td></tr>
<tr><td>8</td><td>Diesel trash pump</td><td>3</td></tr>
<tr><td>9</td><td>Mobile dry-prime diesel trash pump</td><td>2</td></tr>
<tr><td>10</td><td>Water tanker truck</td><td>2</td></tr>
<tr><td>11</td><td>Generator of 35 KVA capacity</td><td>1</td></tr>
<tr><td>12</td><td>Surveying Instrumentation</td><td>2</td></tr>
<tr><td>13</td><td>Grader</td><td>1</td></tr>
<tr><td>14</td><td>Soil Compactor Machine</td><td>3</td></tr>
<tr><td>15</td><td>Portable concrete vibrator machine</td><td>2</td></tr>
<tr><td>16</td><td>Dump Truck of 16 m3 capacity</td><td>3</td></tr>
<tr><td>17</td><td>road roller compactor of 1.5 ton weight</td><td>1</td></tr>
<tr><td>18</td><td>tractor with wagon</td><td>4</td></tr>
<tr><td>19</td><td>Single drum vibratory road roller compactor of 12 ton</td><td>1</td></tr>
<tr><td>20</td><td>Single drum sheep feet and vibratory road roller compactor of 12 ton</td><td>1</td></tr>
<tr><td>21</td><td>Asphalt Cutting Machine</td><td>1</td></tr>
</table>
.
</td>
<td>List of Equipment</td>
</tr>
<tr>
<td>Implementation timetable</td>
<td>Implementation timetable as per the requirement;
9 Months</td>
<td>Bidder should share the project implementation, as a Gantt Chart or any Project Schedule</td>
</tr>
<tr>
<td>Important Note</td>
<td>UNDP has zero tolerance for fraud and corruption, meaning that UNDP vendors are not to engage in fraud or corruption. Vendors engaged in fraud and corruption will be subject to sanctions. Fraud includes but not limited to the submission of fraudulent or mispresented documents, such as bid securities and financial statements.</td>
<td></td>
</tr>
</table>

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

Scope of Work (S.O.W.)
Rehabilitation of Haditha Unified Water Plant
Haditha City - Anbar Governorate
Name of project: Rehabilitation of Haditha Unified Water Plant

Targeting: The project's aim is to rehabilitate Haditha Unified Water Plant . The work includes to rehabilitate of the intake station that was exposed to severe damages during the last conflict in addition that its capacity its not sufficient for Haditha city due to population increasing, construction of additional onshore intake station instead of the old small one, supplying new water pumps. Rehabilitation of the water treatment unit includes supplying new electrical generator , new horizontal pumps , maintenance of elctrical boards , maintenance of actuated valves , construction of new warehouse . Rehabilitation of water distribution unit includes , supplying new horizontal pumps instead of the old and damaged pumps , electrical boards , reconstruction of security building and sanitary building . The project will serve about 100 employees and 60,000 persons.

Governorate-Suburbs:

This project belongs to Haditha Water Center – Anbar Water Directorate , this project is located in Haditha City – Anbar governorate . It is one of the important project in its area as it will help improving the services provided by the water center to the district and citizens.

Implementation Period: 9 Months

A - Rehabilitation of Withdrawal Section Unit

GPS: **34.1793722N,** **42.3857664E**



The work at withdrawal section unit includes the following:

A1: Site Preparation Works

Site preparation works include; leveling the existing ground of the project, clearing and cleaning the site and removing all debris to an approved dump site, compacting the natural ground, supplying and installing permanent and temporary signs.

A2: Construction of Onshore Intake Station

Civil works which includes, cleaning and removing the river approaches , removing the sand, reeds, sludge, stone, debris and trash in order open the stream of the river and cleaning the area of the river approaches starting from the river beach and for all the area of the withdrawal section (water withdrawals area along side of the project) of (L:65 x W: 40 x depth 4) , Supply materials , tools and manpower to make temporary soil ramp at the river edge to prevent the water passing out to the work site , Excavation of the onshore intake station project starting from the existing ground level down to the required depth , the work includes dewatering the surface and the underground water during the excavation process , spreading boulder layer , filling with subbase layer , casting blinding layer with plain concrete layer , spreading membrane layer under the raft of the onshore intake station , casting the screed layer using sulphate resistant cement , casting fair faced reinforced concrete for all the parts of the onshore intake station of (L:26.6 m , W:11m , D:7.5m) thickness of the raft and the walls should be (50 cm) ,Installing steel handrail of 100 cm height around all the intake station , Coating the exterior faces of the intake station using three layer of flexible protective coatings , Coating the interior faces with three layers of nutritional epoxy , Supply and install stainless steel sliding gates to be installed at the second stage of the station with all the required works to complete the job , Supplying and installing galvanized steel filters which will filtering the water that enters to the second stage , four faces filtration boxes of (W:0.9 m ,H:4 m , L: 4 m) using galvanized expanded metal grating with hexagonal shaped holes , Supplying and installing galvanized steel service stairs to be installed on the walls of the onshore intake station .

Mechanical works includes ; Supplying, installing and connecting horizontal pump according to the required specification which should be installed in the withdrawals section "Intake" with all required plumbing works , Supply and install metal sunshade of above the water pumps at the onshore intake station ,Supplying and installing galvanized pipes in different diameters and thickness for connecting the parts of water treatment unit together with all required fittings and accessories. Installing mechanical check valves in different diameter with all required fitting and accessories according to the required types and sizes , Supplying and installing heavy knife mechanical valves , Supplying and installing ductile pipes of 700mm diameter that connected between the river and the onshore intake station , Supplying and installing ductile pipe of 600mm diameter that connecting between the water pumps and the main pipeline .

Electrical works include; supplying and Installing electrical distributing board for horizontal pumps in the intake according to the required specification with all required

parts and accessories. Installing an electrical sub distributing board for all external lights and outdoor waterproofed LED flood light with all required wiring. Installing galvanized cable trays in different sizes according to the required lengths and electrical cables in different sizes and according to the required specification. Supplying the required material to install earthing system for the water treatment unit according to the required specification , supplying installing and commissioning an electrical transformer of 400 KVA capacity with all required accessories, electrical distribution board with all required works, galvanized tubular steel poles in different lengths, galvanized lattice steel poles, channel steel section for transformer base and expulsion fuse cutout fixation, expulsion fuse cutout with all required accessories, earth rod copper bar, installing copper conductor, surge arrester of 11 KVA capacity, PVC insulated Single Core LV Cu Cable, pin insulator with spindle of 11 KVA capacity, installing disk insulator of 11 KVA capacity, AAC conductor .

A3: Rehabilitation Works for Service Building at The Intake Station

The civil work includes, to remove cement plastering of the exterior walls of the service building , removing gypsum plastering for interior walls of the service building, door steel doors, painting works for internal and exterior walls with removing and repairing the damaged parts , supply and install mozaic tiles for the floors , supply and install ceramic tiles for the walls and floors of the sanitary unit in the service building , repairing the steel windows, with all connections and installations accessories, 6 mm thick glass with painting the steel and steel protection guards. Supply and install PVC and steel doors , supply and install steel ladder for the building .

The sanitary works includes ; Construction of concrete manholes , Laying PVC pipes , Supplying and installing stainless steel double bowl sink with all required fittings and accessories, installing PPR pipes in different diameter for water network with all required fittings and accessories, , supplying and installing chrome water taps with all required fittings and accessories.

The electrical work includes; supplying and installing plug switches in different capacities with all required wiring works, installing ceiling and exhaust fans with all required wiring works, installing light fixtures with all required wiring works .
The mechanical work includes; supplying and installing water pump with all required fittings and accessories, installing water cooler and RO filter system

Interior Walkways works includes ; Removing the damaged walkways and yards of the entrance of the intake station , casting the new walkways using BRC concrete , filling with subbase layers for levelling the grounds and the areas inside the project .

A4:Fence Wall Works

The work includes ; Removing the old steel door , painting with plastic paintings for the fence wall interior and exterior faces , supply and install steel sliding door for the entrance , supply and install project sign for the intake station .

B- Rehabilitation of Water Treatment Unit

Gps : 34.1754500N, 42.3770986E



B1:Site Preparation Works

Site preparation works include; leveling the existing ground of the project, clearing and cleaning the site and removing all debris to an approved dump site, compacting the natural ground, delivering all existing materials, equipment , scrap , damaged pipes , fittings to another place that will be determined by the engineering committee, Cleaning, removing the sand, reeds, sludge, stone, debris and trash in order open the stream of the river and cleaning the area of the river approaches using all the required heavy equipment, supplying and installing permanent and temporary signs.

B2:Rehabilitation Works for Generators Building

B2-1- Rehabilitation of The Building

The Work includes ; removing the damaged roofing tiles , removing the damaged walkways , removing the old doors for the building , repairing the natural stone of the building façade includes removing and replacing the damaged stone and polishing the existing stone , Painting the internal walls using plastic paintings with three layers includes repairing the damages at the walls , Painting the external walls using plastic paintings with three layers includes repairing the damages at the walls , casting interior floors of the building with BRC concrete , Roofing works includes installing concrete roof tiles of 80 x 80 x4 cm , Supply and install steel checker plate covers for the cables

trenches of 4mm thickness , Supply and install steel door of (2.25 x 1) m , Supply and install steel windows of (2 x1.5) m with the frame and installing by frame of channel shape steel section of (2x 3) inch dimension, 3mm thick and painting with three layers of oil based paints in addition to anti rust primer. Price of the work shall include use , installation of heavy duty locks and handles, installation of glass of 6 mm thick, anti-insect netting mesh, steel guard frame with painting the steel frames and guard frame with 3 layer of oil based paints "type hammer finish" in addition to anti rust prime coat with all the required works , Repairing the steel windows includes replacing the old glass with 6mm thick . replacing all the damaged parts , locks and all accessories , installing steel burglar frame and installing by frame of steel C section of 3 inch dimension, 3mm thick and painting with three layers of oil based paints in addition to anti rust primer , Supply and install roof drain PVC pipes of 110 diameter , Supply and install ceiling fan of 56 inch and exhaust fan , Supply and install LED bulbs of 40 watt , Modern outdoor bulbs of 20 watt , Supply and install 12 ways distribution board , Supply and install portable fire extinguisher .

B2-2- Supplying and Installing Electrical Generator

The work includes ; Supplying and installing 1000 KVA generator silent type to be installed at the water treatment unit , supply and install galvanized fuel tank of 3000 Liter , casting concrete base for the generator , supply and install metal sunshade , supply and install the electrical boards for the generator connection with the project (MDB1 & MDB 2) with all the required works .

B3: Rehabilitation Works for Chlorination and Alum Buildings

The Work includes ; Cleaning the building of the chlorination and alum buildings includes removing all the pipes and other materials inside to another place determined by the supervisory committee , removing the damaged roofing tiles , removing the damaged walkways , removing the old doors for the building , repairing the natural stone of the building façade includes removing and replacing the damaged stone and polishing the existing stone , Painting the external walls using plastic paintings with three layers includes repairing the damages at the walls , Roofing works includes installing concrete roof tiles of 80 x 80 x4 cm , Supply and install wooden door of (2.25 x 1) m , Supply and install steel windows of (2 x1.5) m with the frame and installing by frame of channel shape steel section of (2x 3) inch dimension, 3mm thick and painting with three layers of oil based paints in addition to anti rust primer. Price of the work shall include use , installation of heavy duty locks and handles, installation of glass of 6 mm thick, anti-insect netting mesh, steel guard frame with painting the steel frames and guard frame with 3 layer of oil based paints "type hammer finish" in addition to anti rust prime coat with all the required works ,Supply and install PVC partition with minimum 60 mm thick frame of 4 x1.8 m dimensions , Repairing the steel windows includes replacing the old glass with 6mm thick . replacing all the damaged parts , locks and all accessories , installing steel burglar frame and installing by frame of steel C section of 3 inch dimension, 3mm thick and painting with three layers of oil based paints in addition to anti rust primer , Supply and install roof drain PVC pipes of 110 diameter

, Supply and install ceiling fan of 56 inch and exhaust fan , Supply and install LED bulbs of 40 watt , Modern outdoor bulbs of 20 watt , Supply and install 12 ways distribution board , Supply and install portable fire extinguisher .

B4: Rehabilitation Works for Filitration Building

B4-1- Rehabilitation of The Building

The Work includes ; Removing the damaged ceramic tiles for walls and roof of the sanitary unit , removing the damaged roofing tile, removing the old doors for the building , repairing the natural stone of the building façade includes removing and replacing the damaged stone and polishing the existing stone , Painting the internal walls using plastic paintings with three layers includes repairing the damages at the walls , Painting the external walls using plastic paintings with three layers includes repairing the damages at the walls , Roofing works includes installing concrete roof tiles of 80 x 80 x4 cm , Supply and install wooden doors with dimensions (2.25 x 1) m and (2.1 x 2.5) m , with its jaw frames , Supply and install PVC door of (2 x0.9) m , Repairing the steel windows includes replacing the old glass with 6mm thick . replacing all the damaged parts , locks and all accessories , installing steel burglar frame and installing by frame of steel C section of 3 inch dimension, 3mm thick and painting with three layers of oil based paints in addition to anti rust primer , Supply materials and tools to repair the steel handrail of 0.8 m height for the filtration building includes replacing the damaged parts with all the required works to complete the job , Supply and install steel checker plates covers for the cables trenches of 70 cm width and 4mm thick , Supply and install roof drain PVC pipes of 110 diameter , Supply and install eastern style toilet , supply and install ceramic wash basin of 60 x 50 cm with all the required fittings , supply and install water tank , Supply and install ceiling fan of 56 inch and exhaust fan , Supply and install LED bulbs of 40 watt , Modern outdoor bulbs of 20 watt , Supply and install 12 ways distribution board , Supply and install portable fire extinguisher .

B4-2- Mechanical Works

The work includes ; Maintenance of the electrically actuated butterfly valves of the filters includes repairing the electrical part of it with replacing all the damaged electrical parts with all the required accessories to ensure the valves works properly .

Supplying and installing rotary air blower pump of 1500 M3/h and 1 bar pressure, maintenance of the reverse washing system electrical board includes replacing the damaged circuit breakers and all the electrical parts .

5: Rehabilitation Works for Pumps Hall

B5-1: Rehabilitation of The Building

The Work includes ; Removing the old door for the building , repairing the natural stone of the building façade includes removing and replacing the damaged stone and polishing the existing stone , Painting the external walls using plastic paintings with three layers includes repairing the damages at the walls , Roofing works includes installing concrete roof tiles of 80 x 80 x4 cm , Supply and install steel doors with

dimensions (2.25 x 1) m , Supply and install steel windows of (2x1.5) m , and (1x0.6) m dimensions , Supply materials and tools to repair the steel handrail of 0.8 m height for the filtration building includes replacing the damaged parts with all the required works to complete the job , Supply and install K-span sunshed for the entrance of the pumps hall with all the required works , Supply and install checker plates for the cables trenches of 4mm thick and 70 cm width , Supply and install roof drain PVC pipes of 110 diameter , Supply and install eastern style toilet , supply and install ceramic wash basin of 60 x 50 cm with all the required fittings , supply and install water tank , Supply and install ceiling fan of 56 inch, Supply and install LED bulbs of 40 watt , Modern outdoor bulbs of 20 watt , Supply and install 12 ways distribution board , Supply and install portable fire extinguisher .

B5-2 - Mechanical Works

The work includes ; Supplying and installing horizontal water pump of (500 M3/h x60m) at the pumps hall , Supply and install service submersible pump of 2 Kw power for the pumps hall trenches , Maintenance of electrically actuated gate valves of the pumps includes replacing all the damaged electrical and mechanical parts of the valve with all the required works , maintenance of 5 Ton crane includes cleaning the structure of the crane and replacing the damaged parts .

B5-3 : Electrical Works

The Work includes ; Supplying and installing electrical board for the pumps of 147 KW with all the required works , maintenance of the existing pumps electrical main board includes replacing the damaged electrical parts with all the required works , Supply and install LV control and signal cables of (12 x2.5) mm2 , Supply and install galvanized signal cable trays of (W40 xh10) cm) with removing the damaged the old and damaged one , maintenance of the lighting electrical control board includes replacing the damaged electrical parts with all the accessories required , Supply and install 11 KV electrical cable of 3x150 mm2 includes, trenching and laying the cable with all the required works , Supply and install 11 KV outdoor cable termination , Supply and install 11 KV indoor cable termination , Supply and install LED fixture of 50 watt for the interior walkways , Supply and install LED fixture of 150 watt for the for the fence lighting poles , Supply and install electrical flex cable of (2x2.5) mm2 , repairing and maintenance of 3m lighting poles includes replacing the damaged parts and painting the poles using three layers of oily based paintings ,

B6- Construction of The Warehouse

Civil works includes ; excavation of the foundations trenches of the warehouse using all the heavy equipment's needed to the required level , filling works with sub-base layers to the required level and compacting the layers , laying a thick nylon layer , The nylon should lay before casting the concrete covering , Casting plain concrete for under foundations , Blinding under foundations , casting the foundation of 1.2 m width and 0.4 m depth dimensions using sulphate resistance reinforced concrete , casting tie beam (T.B) of W:0.7x L:0.7x D:0.5 m , and service room foundations of W:30×H:50 cm

and beam above the concrete block walls of W:20xH:20 cm on the height of 3.0 m from (D.P.C) level using sulphate resistance reinforced concrete , the work includes shuttering(formwork), reinforcement and all accessories , filling (in layers not exceeding 25cm, including compaction up to 95% of MDD to comply with the modified proctor test) with sub base (type B) , cast D.P.C layer with compressive strength 21MPa, using Sulphate resistant Cement and waterproof Sika liquid with all the required . supplying and installing the steel structure of the ware house in dimensions of 20 x 50 m and 7.4 m height at middle and 6 m in the sides , the work includes to Installation of steel columns made of steel I Sections of 250x150x 9 mm dimensions with steel base plates , Installation of a Rafters made of I steel sections of 250x125x 8 mm dimensions , steel angle section of 3-inch size and 4 mm thick every 1 m using welding , steel angle section of 3-inch size and 4 mm thick along the top of warehouse walls and from both sides (front and back), which should be installed on the last row of hollow concrete blocks after plastering the walls with all cutting and welding works , steel sub beams using rectangular hollow steel section of 100x50x2 mm every 1m which should be installed using welding , sandwich panels of 5cm thick and thickness of their plate is gauge 0-5 for the warehouse roof which should be fixed on purlins by bolts and washers to prevent any water seepage , 1 mm thickness galvanized plate at the junction pieces of sandwich panel for trusses roof (hat) and galvanized strips of 50 cm height , Installation of rain water gutter using galvanized plate of (W:30x D:(10-25)) cm and 1mm thick, fixed on external both side of roof structure , Painting the steel structure with one layer of anti-rust paint and three layers of oil based paints with all the required work to complete the job . building the above DPC level warehouse using hollow concrete blocks of load bearing concrete masonry units type -class A and (40x 20x 20) cm , with curing and all required works to complete the job according to the required specification , Supply and install wall sandwich panels and 5cm thick and the thickness of their plate is gauge 0-5 for the warehouse walls with all the required , Supply and install ceiling of service room made of sandwich panels with all the required , cement plastering for the external walls with all required works , paint the walls for both sides with three layers of plastic (silicon water proof) paint , cast warehouse concrete floor and the warehouse entrance floor of 15 cm thick using reinforcement sulphate resistance concrete using one layer of deformed steel reinforcement bars , casting the new passageways around the building and the external corridors .

Electrical works includes ;Supplying and Installing plug switches in different capacities, ceiling and exhaust fans, light fixtures, Installing electrical cables according to the required lengths and specification, building manhole using bricks check point, supplying and installing 18 ways MCB distribution boards, supplying and installing the main distribution board and three phase electric meter.

B7- Construction of Reception Building

Civil works includes; Spreading crushed stone , laying a layer of thick nylon, casting plain concrete for under mosaic tile, under foundations, under wall partition foundation

and for DPC layer, casting reinforced concrete for foundation, roof slab, , building the walls under and above DPC layer using stone, backfilling works with compaction, supplying and installing mosaic tiles for the floors according to the required specification, supplying and installing ceramic tiles for the walls and floors of the sanitary units and kitchen, installing porcelain 10cm height for skirting, roofing works using concrete tiles with all required works according to the required specification, supplying and installing marble tiles for the thresholds of the doors, installing PVC false ceiling for the sanitary units and kitchen, cement plastering with rendering for the exterior side of the walls, gypsum plastering for the interior side of the walls, plastic painting for the interior and exterior sides of the walls, supplying and installing wooden doors with frames and all required accessories, supplying and installing aluminum doors and frames with all required accessories, supplying and installing steel doors and frames in different dimensions with all required accessories, supplying and installing aluminum windows with the frames and all required accessories, supplying and installing steel ladder, constructing passageway according to the required specification.

The sanitary work includes; building a septic tank according to the required dimensions and specification, installing PVC pipes in different diameters for drainage network with all required fittings and accessories, building manholes in different dimensions using red clay bricks, installing PVC floor gully trap, installing PVC pipes for roof drain, installing ceramic eastern toilet with all required accessories and fittings, installing ceramic wash basin with all required fittings and accessories, installing shower tower system set with hand shower, installing galvanized steel water tank with all required fittings and accessories, installing PPR pipes in different diameters for water network, installing galvanized iron pipes to transfer water from and to water tanks, installing chrome water taps, supplying and installing stainless steel double bowl sink with all required fittings and accessories.

The Electrical work includes; installing plug switches in different capacities with all required wiring works , installing ceiling and exhaust fans with all required wiring works, installing light fixtures , building a manhole for electrical check point using bricks with all required works, supplying and installing 12 ways MCB distribution boards .

The Mechanical work includes; Supplying and installing air conditioning split units with all required accessories and drain-pipes, installing electrical water heater with all required connection works, installing water pump with all required fittings and accessories, installing water cooler and RO filter system.

Supplying and installing room title name made of thick plastic sheet, installing portable fire extinguisher powder of 12 Kg capacity - (A.B.C) type, installing aluminum box for first aid according to the required specification.

B8: Fence Wall Works

The work includes ; Removing the damaged BRC fence wall , Install BRC fence wall around the project site consisted of ; steel columns of galvanized steel circular hollow section of 3-inch diameter, 3 mm thick and 2 m height every 2.5 m, the work includes

excavation of columns base of (L 50 x W 50 x H 70) cm , BRC wall (Chain Link Mesh) of 3 mm thick, , metal door buckle of the (BRC) width of 5 m and height of 2 m .

B9: Gardens Works

The work includes; backfilling the garden with a clean soil and planting according to the engineering committee directions as the following:

Backfilling with a clean soil, installing concrete edges around the garden, planting American natural grass, planting palm trees, planting ficus trees, planting rose flowers.

C : Rehabilitation of The Water Distribution Unit

Gps : 34.1353156N, 42.3715733E



C1 :Site Preparation Works

Site preparation works include; leveling the existing ground of the project, clearing and cleaning the site and removing all debris to an approved dump site, compacting the natural ground, delivering all existing materials, equipment , scrap , damaged pipes , fittings to another place that will be determined by the engineering committee, Cleaning, removing the sand, reeds, sludge, stone, debris and trash in order open the stream of the river and cleaning the area of the river approaches using all the required heavy equipment, supplying and installing permanent and temporary signs.

C2 :Rehabilitation Works of Pumping Unit and Admin Building

C2-1: Rehabilitation of The Building

The Work includes ; Removing the damaged roofs concrete tiles , removing the old PVC partition for the building ,removing the old steel windows , removing the old wooden doors of 2.1 x1 m , repairing the natural stone of the building façade includes removing and replacing the damaged stone and polishing the existing stone , Painting the internal

walls using plastic paintings with three layers includes repairing the damages at the walls , Painting the external walls using plastic paintings with three layers includes repairing the damages at the walls , Roofing works includes installing concrete roof tiles of 80 x 80 x4 cm , Supply and install steel doors with dimensions (2.25 x 1) m , Supply and install steel windows of (2x1.5) m , and (1x0.6) m dimensions , Supply materials and tools to repair the steel handrail of 0.8 m height for the filtration building includes replacing the damaged parts with all the required works to complete the job , Supply and install K-span sunshed for the entrance of the pumps hall with all the required works , Supply and install checker plates for the cables trenches of 4mm thick and 70 cm width , Supply and install roof drain PVC pipes of 110 diameter , Supply and install eastern style toilet , supply and install ceramic wash basin of 60 x 50 cm with all the required fittings , supply and install water tank , Supply and install ceiling fan of 56 inch, Supply and install LED bulbs of 40 watt , Modern outdoor bulbs of 20 watt , Supply and install 12 ways distribution board , Supply and install portable fire extinguisher

C2-2 : Mechanical Works

The work includes ; Supplying and installing horizontal water pump of (500 M3/h x60m) at the pumps hall , Maintenance of electrically actuated gate valves of the pumps includes replacing all the damaged electrical and mechanical parts of the valve with all the required works , maintenance of 5 Ton crane includes cleaning the structure of the crane and replacing the damaged parts .

C2-3: Electrical Works

The Work includes ; Supplying and installing electrical board for the pumps of 147 KW with all the required works , Supply and install withdrawable type air circuit breaker ACB of 1200 Amp capacity with all the required works , maintenance of the existing pumps electrical main board includes replacing the damaged electrical parts with all the required works ,repairing the ground under the electrical main board includes lifting the electrical board and removing the damaged concrete ground and recasting it using BRC concrete , re-installing the electrical board in its place properly with all the required works , Supply and install LV control and signal cables of (12 x2.5) mm2 , Supply and install galvanized signal cable trays of (W40 xh10) cm) with removing the damaged the old and damaged one , maintenance of the lighting electrical control board includes replacing the damaged electrical parts with all the accessories required, Supply and install 11 KV indoor cable termination , Supply and install LED fixture of 50 watt for the interior walkways , Supply and install LED fixture of 150 watt for the for the fence lighting poles , Supply and install electrical flex cable of (2x2.5) mm2 , repairing and maintenance of 3m lighting poles includes replacing the damaged parts and painting the poles using three layers of oily based paintings ,

C3: Parking and The Water Distribution Unit Yard Works

The work includes; Removing the damaged side walkways concrete roof, Excavation in all types of soil (even rock layers, existing asphalt, concrete foundations, etc..) under the exterior walkways of the water distribution unit , starting at the existing ground

level down to the required depth approved by the engineering committee, use of asphalt road cutting machine to cut the asphalt pavement layers of the streets , installing concrete curbstone for the main entrance of the project, parking and for the interior sidewalks with all required works to complete the job, installing concrete interlock tiles for the floors of the main entrance of the project, parking and interior and exterior sidewalks with all required works to complete the job .

C4- Reconstruction of Security Building

Civil works includes; Removing the damaged security building with all the required works , Spreading crushed stone , Filling works – subbase layers , laying a layer of thick nylon, casting plain concrete for under mosaic tile, under foundations, under wall partition foundation and for DPC layer, casting reinforced concrete for foundation, roof slab, , building the walls under and above DPC layer using stone, backfilling works with compaction, supplying and installing mosaic tiles for the floors according to the required specification, supplying and installing ceramic tiles for the walls and floors of the sanitary units and kitchen, installing porcelain 10cm height for skirting, roofing works using concrete tiles with all required works according to the required specification, supplying and installing marble tiles for the thresholds of the doors, installing PVC false ceiling for the sanitary units and kitchen, cement plastering with rendering for the exterior side of the walls, gypsum plastering for the interior side of the walls, plastic painting for the interior and exterior sides of the walls, supplying and installing wooden doors with frames and all required accessories, supplying and installing aluminum doors and frames with all required accessories, supplying and installing steel doors and frames in different dimensions with all required accessories, supplying and installing aluminum windows with the frames and all required accessories, supplying and installing steel ladder, constructing passageway according to the required specification.

The sanitary work includes; building a septic tank according to the required dimensions and specification, installing PVC pipes in different diameters for drainage network with all required fittings and accessories, building manholes in different dimensions using red clay bricks, installing PVC floor gully trap, installing PVC pipes for roof drain, installing ceramic eastern toilet with all required accessories and fittings, installing ceramic wash basin with all required fittings and accessories, installing shower tower system set with hand shower, installing galvanized steel water tank with all required fittings and accessories, installing PPR pipes in different diameters for water network, installing galvanized iron pipes to transfer water from and to water tanks, installing chrome water taps, supplying and installing stainless steel double bowl sink with all required fittings and accessories.

The Electrical work includes; installing plug switches in different capacities with all required wiring works , installing ceiling and exhaust fans with all required wiring works, installing light fixtures , building a manhole for electrical check point using bricks with all required works, supplying and installing 12 ways MCB distribution boards .

The Mechanical work includes; Supplying and installing air conditioning split units with

all required accessories and drain-pipes, installing electrical water heater with all required connection works, installing water pump with all required fittings and accessories, installing water cooler and RO filter system.

Supplying and installing room title name made of thick plastic sheet, installing portable fire extinguisher powder of 12 Kg capacity - (A.B.C) type, installing aluminum box for first aid according to the required specification.

C5 - Reconstruction of External Sanitary Unit

Civil works includes; Removing the damaged sanitary building with all the required works , Spreading crushed stone , Filling works – subbase layers , laying a layer of thick nylon, casting plain concrete for under mosaic tile, under foundations, under wall partition foundation and for DPC layer, casting reinforced concrete for foundation, roof slab, , building the walls under and above DPC layer using stone, backfilling works with compaction, supplying and installing ceramic tiles for the floors according to the required specification, supplying and installing ceramic tiles for the walls and floors , installing porcelain 10cm height for skirting, roofing works using concrete tiles with all required works according to the required specification, supplying and installing marble tiles for the thresholds of the doors, installing PVC false ceiling for the sanitary unit, cement plastering with rendering for the exterior side of the walls, gypsum plastering for the interior side of the walls, plastic painting for the exterior sides of the walls, supplying and installing wooden doors with frames and all required accessories, supplying and installing aluminum doors and frames with all required accessories, supplying and installing steel doors and frames in different dimensions with all required accessories, supplying and installing aluminum windows with the frames and all required accessories, supplying and installing steel ladder, constructing passageway according to the required specification.

The sanitary work includes; building a septic tank according to the required dimensions and specification, installing PVC pipes in different diameters for drainage network with all required fittings and accessories, building manholes in different dimensions using red clay bricks, installing PVC floor gully trap, installing PVC pipes for roof drain, installing ceramic eastern toilet with all required accessories and fittings, installing ceramic wash basin with all required fittings and accessories, installing shower tower system set with hand shower, installing galvanized steel water tank with all required fittings and accessories, installing PPR pipes in different diameters for water network, installing galvanized iron pipes to transfer water from and to water tanks, installing chrome water tapswith all required fittings and accessories.

The Electrical work includes; installing plug switches in different capacities with all required wiring works , installing exhaust fans with all required wiring works, installing light fixtures , building a manhole for electrical check point using bricks with all required works, supplying and installing 6 ways MCB distribution boards.

C6 :Fence Wall Works

The work includes ; Removing the old door , Supplying and installing steel sliding door of (4x2.2 m , Plastic painting with three layers for the fence wall ,

C7: Gardens Works

The work includes; backfilling the garden with a clean soil and planting according to the engineering committee directions as the following:

Backfilling with a clean soil, installing concrete edges around the garden, planting American natural grass, planting palm trees, planting ficus trees, planting rose flowers.

- ## Schedule of Requirements and Technical Specifications

The Contractor shall visit the designated sites to be familiar with the condition of the work areas, the structures, it is the bidders' responsibility to acknowledge the site conditions before submitting the bids.

In general, the Contractor should be familiar with all current conditions and circumstances which may affect the work progress.

The Contractor shall implement the Project based on a detailed work plan which shall be approved by the Project Engineer. The contractor is expected to produce/perform works which conforms in quality/quantity and accuracy of detailed specification. The Contractor is to institute a quality control system to ensure adequate monitoring of the works progress at all times.

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] *(Pls. link this to price schedule)*	DAP
Exact Address of Delivery/Installation Location	**Location**: Haditha City - Anbar Governorate **GPS coordinates:** A- Withdrawal Section Unit: 34.1793722, 42.3857664 B- Water Treatment Unit: 34.1754500, 42.3770986 C: Water Distribution Unit: 34.1353156, 42.3715733
Mode of Transport Preferred	N/A
UNDP Preferred Freight Forwarder, if any	N/A
Distribution of shipping documents *(if using freight forwarder)*	The Contractor will be responsible to submit the exemption papers in advance to UNDP for issuance of facilitation letter/exemption letter. The Contractor will be responsible to pay any clearance charges and transportation charges to deliver the items at the required location.
Customs, if required, clearing shall be done by:	**Supplier.** In case of requirement, UNDP will only provide the facilitation letter for the exemption. Supplier will be responsible to clear the shipment and deliver at the required location.
Ex-factory / Pre-shipment inspection	As per BoQs
Inspection upon delivery	As per BoQs
Installation Requirements	As per BoQs
Testing Requirements	As per BoQs
Scope of Training on Operation and Maintenance	As per BoQs
Commissioning	As per BoQs
Warranty Period	Minimum warranty of one year for the supplied equipment and after-sales service. Defect liability for one year for the Works and Equipment.
Local Service Support	As per BoQs
Technical Support Requirements	As per BoQs
After-sale services Requirements	As per BoQs

Payment Terms *(max. advanced payment is 20% as per UNDP policy)*	• 1st progress payment (30%) of the total scope of work based on the contracted BOQ. • 2nd progress payment (30%) of the total scope of work based on completion of (60%) contracted BOQ. • 3rd payment upon substantial completion of works for the remaining works thus completing.
Conditions for Release of Payment	**For interim payments:** 1) Approved Requests for Inspections from the supervision engineer. 2) Approval from UNDP's representative on the whole process. 3) Upon receipt of Certificate of Substantial Completion inclusive executing the outstanding list (snag list) if any.
All documentations, including catalogues, instructions and operating manuals, shall be in this language	English; and/or Arabic

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 **(Mandatory)**	☐
▪ Form B: Bidder Information Form	☐
▪ Form C: Joint Venture/Consortium/ Association Information Form with clear roles and responsibilities **(Mandatory),** if applicable	☐
▪ Form D: Qualification Form	☐
▪ Form E: Format of Technical Bid/Company Profile	☐
▪ From G: Form of Bid Security/Certified Cheque **(Mandatory)**	☐
▪ From G.1: Bid Security Confirmation	☐
Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?	☐

Price Schedule:

▪ Form F: Price Schedule Form Duly signed and Stamped	☐
▪ BOQ duly signed – **Mandatory**	☐

Note: The above Mandatory documents must be submitted along with the bid. In case the bidder will not submit these forms, the bidder's submission will not be further considered.

The site visit is mandatory. if the bidders will not attend the site visit, the bid will not be considered for further evaluation

Form A: Bid Submission Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	**ITB-261/20 Rehabilitation of Haditha Unified Water Plant**		

We, the undersigned, offer for **Rehabilitation of Haditha Unified Water Plant,** in accordance with your Invitation to Bid No. ITB-261/20 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: _____

Email: _____

Date: _____

Signature: _____[*Stamp with official stamp of the Bidder*]

Form B: Bidder Information Form

Legal name of Bidder	[Complete]
Legal address	[Complete]
Year of registration	[Complete]
Bidder's Authorized Representative Information	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
Are you a UNGM registered vendor?	☐ Yes ☐ No If yes, [insert UGNM vendor number]
Are you a UNDP vendor?	☐ Yes ☐ No If yes, [insert UNDP vendor number]
Countries of operation	[Complete]
No. of full-time employees	[Complete]
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) *(If yes, provide a Copy of the valid Certificate):*	[Complete]
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? *(If yes, provide a Copy of the valid Certificate):*	[Complete]
Does your Company have a written Statement of its Environmental Policy? *(If yes, provide a Copy)*	[Complete]
Does your organization demonstrates significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues	[Complete]
Is your company a member of the UN Global Compact	[Complete]
Contact person that UNDP may contact for requests for clarifications during Bid evaluation	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]

Please attach the following documents:	▪ **Bid Security (Mandatory)** ▪ Company Profile, including printed brochures and product catalogues relevant to the goods and/or services being procured ▪ Certificate of Incorporation/ Business Registration ▪ List and value of projects performed for the last 10 years, plus client's contact details who may be contacted for further information on those contracts; ▪ Statement of Satisfactory Performance from the Top two (2) Clients in terms of similar (Rehabilitation/Construction of Water Treatment Plant) projects completed within last 10 years; ▪ CVs of the proposed key personnel as required in the BDS. The bidder shall submit CVs of the below proposed key personnel: ℒ **Project Manager** : A minimum of 7 years of experience of work of an equivalent nature and volume (construction/sewage networks), should have a Degree B.SC in Civil Engineering. The CV should be attached. ℒ **Electrical Engineer:** A minimum of 5 years of experience in the Electrical works of construction/sewage networks should have a B.SC. Electrical Engineering. The CV should be attached. ℒ **Mechanical Engineer:** A minimum of 5 years of experience in the mechanical engineer works of construction/sewage networks should have a B.SC. Mechanical Engineering. The CV should be attached. ℒ **Surveyor:** A minimum of 5 years' work experience in the Surveying related to relevant field. Should have a Diploma in Surveying Engineering. The CV should be attached. ▪ Implementation timetable as per the requirement; ▪ Last five years Audited Financial Statement (Income Statement and Balance Sheet) including Auditor's Report for the past five years (2014, 2015, 2016, 2017 and 2018). The bidders having completed certified audited financial statement for 2019 can also submit the report which will be considered for evaluation. ▪ Form A: Bid Submission Form **(Mandatory)** ▪ Form B: Bidder Information Form ▪ Form C: Joint Venture/Consortium/ Association Information Form if applicable. ▪ Form D: Qualification Form ▪ Form E: Format of Technical Bid (including Implementation plan and Technical compliance sheet) ▪ Form F: Price Schedule Form ▪ Duly completed, signed and stamped BOQ **(Mandatory)** ▪ Compliance Sheet(s) ▪ Letter of warranty ▪ Catalogue for the offered equipment as per compliance sheet.

Form C: Joint Venture/Consortium/Association Information Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	**ITB-261/20 Rehabilitation of Haditha Unified Water Plant**		

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

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

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

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

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

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

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Name of partner: _____ Name of partner: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Form D: Eligibility and Qualification Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	**ITB-261/20 Rehabilitation of Haditha Unified Water Plant**		

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

History of Non- Performing Contracts

☐Non-performing contracts did not occur during the last 3 years
☐ Contract(s) not performed in the last 3 years

Year	**Non- performed portion of contract**	**Contract Identification**	**Total Contract Amount** (current value in US$)
		Name of Client: Address of Client: Reason(s) for non-performance:	

Litigation History (including pending litigation)

☐ No litigation history for the last 3 years
☐ Litigation History as indicated below

Year of dispute	**Amount in dispute** (in US$)	**Contract Identification**	**Total Contract Amount** (current value in US$)
		Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute: Party awarded if resolved:	

Previous Relevant Experience

Please list only previous **SIMILAR** assignments successfully completed in the last 7 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 **2014**	USD
	Year **2015**	USD
	Year **2016**	USD
	Year **2017**	USD
	Year **2018**	USD
Latest Credit Rating (if any), indicate the source		

Financial information (in US$ equivalent)	**Historic information for the last 5 years**				
	2014	2015	2016	2017	2018
	Information from Balance Sheet				
Total Assets (TA)					
Total Liabilities (TL)					
Current Assets (CA)					
Current Liabilities (CL)					
	Information from Income Statement				
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-261/20 Rehabilitation of Haditha Unified Water Plant**		

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 Top (three or more) Projects implemented during the last 7 years:

Project Description	Client	Amount in US$	Year of Completion	% Completed	Performance Evaluation

1.2 Current on-going commitments (if any with UNDP & Other Clients);

Project Description	Client Name	Amount in US$	Completion Ratio	Anticipated date of Completion

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 Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.

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.

Description	Yes/No	If Yes, please provide details
Please confirm if any part of the works will be subcontracted		

2.1 List of the equipment will be assigned to the project: to be confirmed

2.2 Technical Compliance Sheet- Attached Separately to be duly completed and stamped and submitted along with catalogues, datasheet and other documentations required as per compliance sheet

2.3 Method of Statement: Proposed methodology and approach to undertake the works. Please provide complete method statement how you will undertake the required civil works including quality assurance procedures to be put in place in undertaking this project.

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	*[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]* [Insert]
Professional certifications	*[Provide details of professional certifications relevant to the scope of goods and/or services]* ▪ Name of institution: [Insert] ▪ Date of certification: [Insert]
Employment Record/ Experience	*[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.]* [Insert]
References	*[Provide names, addresses, phone and email contact information for two (2) references]* Reference 1: [Insert] Reference 2: [Insert]

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

_____ _____

Signature of Personnel Date (Day/Month/Year)

FORM F: Price Schedule Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	**ITB-261/20 Rehabilitation of Haditha Unified Water Plant**		

ATTENTION: BOQ ATTACHED SEPARATELY
The BOQs should be downloaded from the system, filled in properly and reattached in the system. Please don't fill the BOQs in the system file.

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.

Name of Bidder: _____

Authorised signature: _____

Name of authorised signatory: _____

Functional Title: _____

FORM G: Form of Bid Security

Bid Security must be issued using the official letterhead of the Issuing Bank.
Except for indicated fields, no changes may be made on this template.

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

WHEREAS [Name and address of Bidder] (hereinafter called "the Bidder") has submitted a Bid to UNDP dated Click here to enter a date. to execute goods and/or services **ITB-261/20 - Rehabilitation of Haditha Unified Water Plant ,** (hereinafter called "the Bid"):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

a) Fails to sign the Contract after UNDP has awarded it;
b) Withdraws its Bid after the date of the opening of the Bids;
c) Fails to comply with UNDP's variation of requirement, as per ITB instructions; or
d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

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

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

This guarantee shall be valid up to 30 days after the final date of validity of bids.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Signature: _____

Name: _____

Title: _____

Date: _____

Name of Bank _____

Address _____

[Stamp with official stamp of the Bank]

FORM G.1: Template for Bid Security Confirmation

(This should be written in the Letterhead of the Bidder. Except for indicated fields, no changes may be made in this template.)

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	**ITB-261/20 Rehabilitation of Haditha Unified Water Plant**		

To: The Procurement Entity, UNDP, Iraq

Dear Sir/Madam:

We, the undersigned, hereby confirm that we have submitted and attached the Bid Security in the amounting to in figure (US$23,200 Twenty Three Thousand Two Hundred USD) as per the following details_ with the E-Tendering portal in regard to our offer for **ITB-261/20, Rehabilitation of Haditha Unified Water Plant,** in accordance with your Invitation to Bid. We are hereby providing the following information to further verify the content of Bid Security, if required by UNDP:

1. Name of Bank: _____
2. Name of issuing person: _____
3. Email address: _____
4. Telephone number: _____
5. Bank address: _____

We also hereby declare that:

a) All the information provided in the Bid Security is correct and legitimate and we accept that any misrepresentation/fake submission in it may lead towards our disqualification for permanent duration.
b) We also accept and liable to furnish the original bid security to UNDP upon request on immediate basis;

Yours sincerely,

STAMP OF THE COMPANY

Signature: _____

Name: _____

Title: _____

Date: _____

FORM H: FORM FOR PERFORMANCE SECURITY.

(This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in 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 to enter dated Click to enter , to deliver the goods and execute related services Click here to enter text. (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 .....