

The Hashemite Kingdom of Jordan Ministry of Water and Irrigation Water Authority of Jordan

Madaba Wastewater Project

Madaba Wastewater Treatment Plant Expansion Works (Design-Build-Operate)

Invitation for Prequalification Employer: Water Authority of Jordan Country: Jordan

Tender No.: 26/2024

Issued on: [August 11, 2024]

Construction works to be financed by:

Project preparation financed by:





SPECIFIC PROCUREMENT NOTICE

Invitation for Prequalification

Jordan

Design-Build-Operate of the Madaba WWTP Expansion

[11/8/2024]

The Water Authority of Jordan has applied for funds from Agence Française de Développement ("AFD") and the European Union ("EU") towards the cost of the Madaba wastewater Project, and it intends to apply part of the funds to payments under the contract for the "Design-Build-Operate (DBO) of the Madaba Wastewater Treatment Plant (WWTP) Expansion"- Contract No. 26/2024.

The Employer intends to prequalify firms for the **DBO of the Madaba WWTP Expansion.** It is expected that invitations for bid will be made in the 3rd quarter of 2024. The contract is expected to be implemented from 2025 to 2027 for the design-build period and from 2027 to 2029 for a three-year operation service period, including an option to extend it for an additional seven years. This option, if triggered by the Employer, would not be financed under the AFD/EU financing.

The project scope is for the expansion of the existing Madaba WWTP, located in the Madaba Governorate. The existing WWTP will remain in operation while the expansion is under construction before being decommissioned. The capacity of the expansion is 16,000 m³/day (average annual day).

The project scope includes the design, supply, delivery, construction, commissioning and operation of the wastewater treatment plant at the location of the existing Madaba WWTP site as well as the decommissioning of parts of the existing plant, with specific components consisting of:

- 1. Head works with flow metering, screens, grit and grease removal, and influent combined sewage management system
- 2. Trucked septage unloading station
- 3. Primary clarifiers
- 4. Biological nutrient removal activated sludge tanks
- 5. Secondary clarification
- 6. Waste Activated Sludge and Return Activated Sludge (WAS/RAS) conveyance systems
- 7. Effluent disinfection
- 8. Primary and WAS Sludge thickening systems
- 9. Anaerobic sludge digestion with an option to add a combined heat and power (CHP) system in the future.
- 10. Sludge mechanical dewatering
- 11. Sludge drying beds
- 12. Odor control
- 13. Yard piping
- 14. Site works including all utilities
- 15. Pumping station for local irrigation
- 16. Power supply and distribution system
- 17. Administration, maintenance, blowers, dewatering, sludge pumping, and chlorination buildings

- 18. Electrical, Instrument and control systems
- 19. Decommissioning of parts of the existing WWTP
- 20. The contract will also include a 3 years, extendable to 10, Operation Service Period (O&M) component.

Interested eligible Applicants can download the prequalification document from WAJ website www.waj.gov.jo.

Prequalification will be conducted through prequalification procedures according to the AFD Procurement Guidelines. Eligibility criteria to AFD financing are specified in sub-clause 1.3 of the "Procurement Guidelines for AFD-Financed Contracts in Foreign Countries", available online on AFD's website: http://www.afd.fr.

This prequalification is open to all eligible applicants as per above mentioned Procurement Guidelines, in accordance with Jordan Government Procurement By-Law n°8 – Year 2022, to which applicants should refer.

Applications for the prequalification must be submitted no later than 23/9/2024, 12:00PM, Jordan Time. Applicant's questions and request for clarification last date is 4/9/2024, 12:00PM

Applicants have to submit their applications as a hard copy. The application submission must be made in accordance with the rules and procedures below. Applications failing to follow the submission rules and procedures below shall be rejected.

In case of differences between the PDF format and the other document format, the PDF document shall take precedence in the evaluation process.

Hard Copy Submission:

The hard copy should be submitted:

In sealed envelopes, in accordance with Instructions to Applicants (ITA) n° 15.1 and ITA n°16.1 delivered to the address below, and be clearly marked "Application to Prequalify for the Madaba Wastewater Project – Design Build and Operation (DBO) of the Madaba Wastewater Treatment Plant Expansion- Contract No. 26/2024"

Water Authority of Jordan (WAJ)
Chairman of the Main Tender Committee
HE Secretary General of WAJ
P.O. Box 2412, Amman 11183
Hashemite Kingdom of Jordan
Attention: Eng. Rua Alsoub

- with a soft copy on a CD which contains editable documents/files using MS Word or Excel files, all perfectly organized, with clear page numbering and titles of each section of the application.
- In case of differences between the editable documents on the CD and the hard copy, the hard copy shall take precedent in the evaluation process.

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PART I – Prequalification Procedures

Section I - Instructions to Applicants (ITA)

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A. General

1 Scope of Application

1.1 In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as defined in the PDS, issues these Prequalification Documents ("Prequalification Documents") to prospective applicants ("Applicants") interested in submitting applications ("Applications") for prequalification to bid for the works described in Section VII - Scope of Works. In case the works are to be bid as individual contracts (i.e. the slice and package procedure), these are listed in the PDS. The International Procurement Competition ("IPC") number corresponding to this prequalification is also provided in the PDS.

2 Source of Funds

2.1 The Employer indicated in the **PDS** has applied for financing (hereinafter called "funds") from Agence Française de Développement (hereinafter called "**AFD**") and from European Union-Neighbourhood Investment Platform (NIP) towards the project named in the **PDS**. The Employer intends to apply a portion of the funds to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted.

3 Corrupt and Fraudulent Practices

- 3.1 AFD requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.
- 3.2 In further pursuance of this policy, Applicants shall permit and shall cause its subcontractors and sub-consultants, to permit AFD to inspect all accounts, records and other documents relating to the submission of the Application, bid submission (in case prequalified), and contract performance (in the case of award), and to have them audited by auditors appointed by AFD.

4 Eligible Applicants

- 4.1 An Applicant may be a firm that is a private entity, a state-owned entity-subject to ITA 4.3 or a combination of such entities in the form of a joint venture ("JV") under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In the case of a JV, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The JV shall nominate an authorized representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the prequalification process, bidding (in the event the JV submits a bid) and during contract execution (in the event the JV is awarded the Contract). Unless specified in the PDS, there is no limit on the number of members in a JV.
- 4.2 A firm may apply for prequalification both individually, and as part of a joint venture, or as a subcontractor. If prequalified, it will not be permitted to bid for the same contract both as an individual firm and as a part of the joint venture. However, a firm may participate as a subcontractor in more than one bid, but only in that capacity. Bids submitted in violation of this procedure will be rejected.
- 4.3 AFD's eligibility criteria for prequalification are described in Section V Eligibility Criteria.
- 4.4 Applicants shall not have a conflict of interest. Any Applicant found to have a conflict of interest shall be disqualified. An Applicant may be considered to have a conflict of interest for the purpose of this prequalification process, if the Applicant:
 - Directly or indirectly controls, is controlled by or is under common control with another Applicant; or

- Receives or has received any direct or indirect subsidy from another Applicant; or
- c) Has the same legal representative as another Applicant; or
- d) Has a relationship with another Applicant, directly or through common third parties, that puts it in a position to influence the application of another Applicant, or influence the decisions of the Employer regarding this pregualification process; or
- e) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the prequalification; or
- Any of its affiliates has been hired (or is proposed to be hired) by the Employer as Engineer for the Contract implementation; or
- g) Has a close business or family relationship with a professional staff of the Employer (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the prequalification documents or specifications of the contract, and/or the prequalification evaluation process; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to AFD throughout the procurement process and execution of the contract.
- 4.5 An Applicant shall not be under suspension from bidding by the Employer as the result of the execution of a Bid–Securing Declaration.
- 4.6 An Applicant shall provide such evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 5 Eligible Materials, Equipment, and Services
- 5.1 The materials, equipment and services to be supplied under the Contract and financed by AFD may have their origin in any country subject to the restrictions specified in Section V - Eligibility Criteria, and all expenditures under the Contract will not contravene such restrictions.

B. Contents of the Prequalification Documents

6 Sections of Prequalification Documents 6.1 These Prequalification Documents consist of parts 1 and 2 which comprise all the sections indicated below, and which should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART I: Prequalification Procedures

- Section I Instructions to Applicants (ITA)
- Section II Prequalification Data Sheet (PDS)
- Section III Evaluation and Pregualification Criteria
- Section IV Application Forms
- Section V Eligibility Criteria
- Section VI AFD Policy Corrupt and Fraudulent practices Environmental and Social Responsibility

PART II: Works Requirements

- Section VII Scope of Works
- 6.2 Unless obtained directly from the Employer, the Employer accepts no responsibility for the completeness of the Prequalification Documents, responses to requests for clarification, or Addenda in accordance with ITA 8. In case of any discrepancies, documents issued directly by the Employer shall prevail.
- 6.3 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Documents and to furnish with its Application all information or documentation as is required by the Pregualification Documents.

7 Clarification of Prequalification Documents

7.1 A prospective Applicant requiring any clarification of the Prequalification Documents shall contact the Employer in writing at the Employer's address indicated in the PDS. The Employer will respond in writing to any request for clarification provided that such request is received no later than 4/9/2024. The Employer shall forward a copy of its response to all prospective Applicants who have obtained the Prequalification Documents directly from the Employer, including a description of the inquiry but without identifying its source. If so indicated in the PDS, the Employer shall also promptly publish its response at the web page identified in the PDS. Should the Employer deem it necessary to amend the Prequalification Documents as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.

8 Amendment of Prequalification Documents

- 8.1 At any time prior to the deadline for submission of Applications, the Employer may amend the Prequalification Documents by issuing an Addendum.
- 8.2 Any Addendum issued shall be part of the Prequalification Documents and shall be communicated in writing to all prospective Applicants who have obtained the Prequalification Documents from the Employer. The Employer shall promptly publish the Addendum at the Employer's web page identified in the **PDS**.
- 8.3 To give prospective Applicants reasonable time to take an Addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of Applications in accordance with ITA 17.2.

C. Preparation of Applications

9 Cost of Applications

9.1 The Applicant shall bear all costs associated with the preparation and submission of its Application. The Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.

10 Language of Application

10.1 The Application as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the PDS. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PDS, in which case, for purposes of interpretation of the Application, the translation shall govern.

11 Documents Comprising the Application

- 11.1 The Application shall comprise the following:
 - Application Submission Form, the Statement of Integrity duly signed, in accordance with ITA 12.1 and ITA 13.1 and the completed Application Forms of Section IV - Application Forms;
 - b) Documentary evidence establishing the Applicant's eligibility, in accordance with ITA 13.1;
 - c) Documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and
 - d) Any other document required as specified in the PDS.
- 12 Application Submission Form
- 12.1 The Applicant shall complete an Application Submission Form as provided in Section IV Application Forms. This Form must be completed without any alteration to its format.
- 13 Documents
 Establishing the
 Eligibility of the
 Applicant
- 13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete and sign the Statement of Integrity, Eligibility and Social and Environmental Responsibility as provided in Section IV Application Forms without any alteration to its format and furnish supporting documentation as specified in Forms ELI-1.1 and ELI-1.2.
- 14 Documents
 Establishing the
 Qualifications of
 the Applicant
- 14.1 To establish its qualifications to perform the contract(s) in accordance with Section III Evaluation and Prequalification Criteria, the Applicant shall provide the information requested in the corresponding Forms included in Section IV Application Forms.
- 14.2 Wherever an Application Form requires an Applicant to state a monetary amount, Applicants should indicate the Euro equivalent using the rate of exchange 30 days prior to prequalification submission as reported by the Central Bank of Jordan.
- 15 Signing of the Application and Number of Copies
- 15.1 The Applicant shall prepare one original of the documents comprising the Application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant. In case the Applicant is a JV, the Application shall be signed by an authorized representative of the JV on behalf of the JV and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized signatories. If a JV has not been formalized and a letter of intent to form a JV is presented, then the Application shall be signed by every member of the intended JV.
- 15.2 The Applicant shall submit copies of the signed original Application, in the number specified in the PDS, and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail

D. Submission of Applications

- 16 Sealing and Identification of Applications
- 16.1 The Applicant shall enclose the original and the copies of the Application in a sealed envelope that shall:
 - a) Bear the name and address of the Applicant;
 - b) Be addressed to the Employer, in accordance with ITA 17.1; and
 - Bear the specific identification of this prequalification process indicated in the PDS 1.1.

16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required in ITA 16.1 above

17 Deadline for Submission of Applications

- 17.1 Applicants may either submit their Applications by mail or by hand. Applications shall be received by the Employer at the address and no later than the deadline indicated in the **PDS**. When so specified in the **PDS**.
- 17.2 The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Documents in accordance with ITA 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

18 Late Applications

18.1 The Employer reserves the right to accept applications received after the deadline for submission of applications, unless otherwise specified in the **PDS**.

19 Opening of Applications

19.1 The Employer shall open all Applications at the date, time and place specified in the **PDS**. Late Applications shall be treated in accordance with ITA 18.1. Applications shall be opened in accordance with the procedures specified in the **PDS**. The Employer shall prepare a record of the opening of Applications to include, as a minimum, the name of the Applicants. A copy of the record shall be distributed to all Applicants.

E. Procedures for Evaluation of Applications

20 Confidentiality

- 20.1 Information relating to the Applications, their evaluation and result shall not be disclosed to Applicants or any other persons not officially concerned with the prequalification process until the notification of prequalification results is made to all Applicants in accordance with ITA 28.
- 20.2 From the deadline for submission of Applications to the time of notification of the results of the prequalification in accordance with ITA 28, any Applicant that wishes to contact the Employer on any matter related to the prequalification process (except as specified in 20.1 above), may do so only in writing.

21 Clarification of Applications

- 21.1 To assist in the evaluation of Applications, the Employer may, at its discretion, ask an Applicant for a clarification (including missing documents) of its Application, to be submitted within a stated reasonable period of time. Any request for clarification from the Employer and all clarifications from the Applicant shall be in writing.
- 21.2 If an Applicant does not provide clarifications and/or documents requested by the date and time set in the Employer's request for clarification, its Application shall be evaluated based on the information and documents available at the time of evaluation of the Application.

22 Responsiveness of Applications

22.1 The Employer may reject any Application which is not responsive to the requirements of the Prequalification Documents.

23 Domestic Bidder Price Preference

23.1 Unless otherwise specified in the **PDS**, a margin of preference for domestic bidders shall not apply in the bidding process resulting from this prequalification.

24 Subcontractors

- 24.1 Unless otherwise stated in the **PDS**, the Employer does not intend to execute any specific elements of the works by subcontractors selected in advance by the Employer (nominated subcontractors).
- 24.2 A "specialized subcontractor" is a subcontractor hired for specialized work as defined by the Employer in Section III-4.2, Experience. If no specialized work is specified by the Employer as such, subcontractors experience shall not be considered for Applications evaluation.
- 24.3 The Employer may decide to permit subcontracting for certain specialized works as indicated in Section III-4.2, Experience. The Employer may do so at its own initiative or at the request of the Applicants during the prequalification process (if justified). When subcontracting is permitted by the Employer, the specialized subcontractors experience shall be considered for the evaluation. Section III Evaluation and Prequalification Criteria, describes the qualification criteria for subcontractors.

F. Evaluation of Applications and Prequalification of Applicants

25 Evaluation of Applications

- 25.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III Evaluation and Prequalification Criteria, to evaluate the qualifications of the Applicants, and no other methods, criteria, or requirements shall be used. The Employer reserves the right to waive minor deviations from the qualification criteria if they do not materially affect the technical capability and financial resources of an Applicant to perform the contract.
- 25.2 Only the qualifications of the Applicant shall be considered. In particular, the qualifications of a parent or other affiliated company that is not party to the Applicant under a JV in accordance with ITA 4.2 shall not be considered.
- 25.3 In case of multiple contracts, Applicants should indicate in their Applications the individual contracts in which they are interested. The Employer shall prequalify each Applicant for the maximum combination of contracts for which the Applicant has thereby indicated its interest and for which the Applicant meets the appropriate aggregate requirements. The Evaluation and Pregualification Criteria are mentioned in Section III.
- 26 Employer's Right to Reject All Applications
- 26.1 The Employer reserves the right to annul the prequalification process and reject all Applications at any time, without thereby incurring any liability to the Applicants.
- 27 Prequalification of Applicants
- 27.1 All Applicants whose Applications substantially meet or exceed the specified qualification requirements will be prequalified by the Employer.
- 27.2 An Applicant may be "conditionally prequalified", that is, qualified subject to the Applicant submitting or correcting certain specified documents or deficiencies that do not materially affect the ability of the Applicant to perform the proposed contract, to the satisfaction of the Employer.

- 27.3 Applicants that are conditionally prequalified will be so informed along with the statement of the condition(s) which must be met to the satisfaction of the Employer before or at the time of submitting their bids.
- 28 Notification of Prequalification
- 28.1 The Employer shall notify all Applicants in writing of the names of those Applicants who have been prequalified or conditionally prequalified. In addition, those Applicants who have been disqualified will be informed separately.
- 28.2 Applicants that have not been prequalified may write to the Employer to request, in writing, the grounds on which they were disqualified.
- 29 Invitation for Bids
- 29.1 Promptly after the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified or conditionally prequalified.
- 29.2 Bidders may be required to provide a Bid Security or a Bid-Securing Declaration acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security as specified in the Bidding Documents.
- 30 Changes in Qualifications of Applicants
- 30.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 27 and invited to bid (including, in the case of a JV, any change in the structure or formation of any member thereto) shall be subject to the written approval of the Employer. Such approval shall be denied if (i) as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III Evaluation and Prequalification Criteria; or (ii) in the opinion of the Employer, the change may result in a substantial reduction in competition. Any such change should be submitted to the Employer not later than fourteen (14) days after the date of the Invitation for Bids.

Section II – Prequalification Data Sheet (PDS)

	A. General
ITA 1.1	The Employer is:
	Water Authority of Jordan Shmeisani PO Box 5012 Amman 11181 Jordan Tel: +962 6 5669965 Fax: +962 6 5652278 E-mail: WAJSG@mwi.gov.jo
ITA 1.1	The contract comprising the IPC is: <u>Design-Build-Operate (DBO) of the Madaba</u> <u>WWTP Expansion.</u>
ITA 1.1	IPC name and number are: WAJ/26/2024
ITA 2.1	The name of the Project is: Madaba Wastewater Project
ITA 4.1	Eligible Applicants: This Prequalification application is open to Jordanian and non-Jordanian contractors.
	The Applicant must demonstrate experience in design, build, and operate WWTP as indicated in Section III.
	Local Jordanian Contractors applying individually or as part of the joint venture (JV) shall be classified as First Grade in WWTP works, First Grade Electromechanical/Renewable Energy, and First Grade in Construction/ Buildings, as per Governmental Tenders Department (GTD) Classification and as applicable per their respective scope if part of a JV.
	The maximum number of members in the JV shall be: Three (3) B. Contents of the Prequalification Documents
ITA 7.1	For clarification purposes only, the Employer's address is:
	Attention: Eng. Rua AlSoub Water Authority of Jordan Shmeisani PO Box 5012, Amman 11181, Jordan Tel: +962 6 5669965 Electronic mail address: rua_alsoub@mwi.gov.jo
ITA 7.1 & 8.2	Web page: http://www.waj.gov.jo/sites/en-us/Lists/Tenders/AllItems.aspx
	C. Preparation of applications
ITA 10.1	The Application as well as all correspondence shall be submitted in English.
	The language for translation of supporting documents and printed literature is English.
ITA 11.1(d)	The Applicant shall submit with its Application, the following additional documents:
	The documents to be included with the Application are identified in Section IV-Application Forms

ITA 45.0	The Applicant in the above the Application and a local con-								
ITA 15.2	The Applicant is to submit its Applications as a hard copy.								
	Hard Copy Submission:								
	In addition to the original, the number of copies to be submitted with the Application is: <i>two (2)</i> paper copies and one (1) digital copy (CD or flashdisk).								
	D. Submission of Applications								
ITA 17.1	The deadline for Application submission is:								
	Date: 23/9/2024								
	Time: 12:00PM								
	Applicants shall submit their Applications as described in the Invitation for Prequalification (Specific Procurement Notice).								
	Hard Copy Submission:								
	The hard copy should be submitted:								
	 In sealed envelopes, in accordance with Instructions to Applicants (ITA) n° 15.1 and ITA n°16.1 delivered to the address below, and be clearly marked "Application to Prequalify for the Madaba Wastewater Project – Design Build and Operation (DBO) of the Madaba Wastewater Treatment Plant Expansion- Contract No. 26/2024" with a soft copy on a CD which contains editable documents/files using MS 								
	Word or Excel files, all perfectly organized, with clear page numbering and								
	titles of each section of the application. In case of differences between the editable documents on the CD and the hard copy,								
	the hard copy shall take precedence in the evaluation process.								
	Water Authority of Jordan (WAJ) Chairman of the Main Tender Committee HE Secretary General of WAJ P.O. Box 2412, Amman 11183 Hashemite Kingdom of Jordan Attention: Eng. Rua Alsoub								
ITA 18.1	Late Applications will be returned unopened to the Applicants.								
ITA 19.1	The opening of the hard Applications shall be at:								
	Date: 23/9/2024								
	Time: 1:00PM								
	E. Submission of Applications								
ITA 040 0	• •								
ITA 24.2 & 24.3	As indicated in Section III-4.2, Experience, Subcontracting by the Contractor of the Design activities related to the Madaba wastewater treatment plant DBO Contract is authorized by the Employer.								
	The Operation and Maintenance of the plant shall not be sub-contracted by the future Contractor meaning that the Applicant, be it a sole contractor or a combination of contractors in the form of a joint venture, must demonstrate he owns the adequate references for that purpose.								

Section III - Evaluation and Prequalification Criteria

Evaluation

This Section contains all the methods, criteria, and requirements that the Employer shall use to evaluate Applications. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Application Forms.

 Wherever an Application Form requires an Applicant to state a monetary amount, Applicants should indicate the Euro equivalent using the rate of exchange 30 days prior to prequalification submission as reported by the Central Bank of Jordan.

Exchange rates shall be taken from the publicly available rate published by the Central Bank of the Employer's country. Any error in determining the exchange rates in the Application may be corrected by the Employer.

Prequalification Criteria

	1. Eligibility and Qualification Criteria									
				Joint Ventu	re (existing or in					
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required			
1.1	Nationality	Nationality in accordance with ITA 4.3	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Forms ELI-1.1 and ELI-1.2, with attachments			
1.2	Conflict of Interests	No conflicts of interest in accordance with ITA 4.4	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Application Submission Form			
1.3	AFD Eligibility	Not being ineligible to AFD financing, as described in ITA 4.3	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Statement of Integrity, Eligibility and Social and Environmental Responsibility			
1.4	Government Owned Entity	Meet conditions of ITA 4.3	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Forms ELI-1.1 and ELI-1.2, with attachments			

	2. Historical Contract Non-Performance									
				Joint Ventu	re (existing or in	tended))				
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required			
2.1	History of Non-Performing Contracts	Termination of a contract did not occur as a result of Applicant's default in the past five (5) years ¹ .	Must meet requirement	Must meet requirement	Must meet requirement ²	N/A	Form CON-2			
2.2	Suspension Based on Execution of Bid Securing Declaration by the Employer	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITA 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form			
2.3	Pending Litigation	All pending litigations shall in total not represent more than one hundred percent (100%) of the Applicant's net worth and shall be treated as resolved against the Applicant.	Must meet requirement	N/A	Must meet requirement	N/A	Form CON-2			

Non-performance shall include all terminations of contracts where (a) non-performance was not challenged by the Applicant, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the Applicant. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism.

² This requirement also applies to contracts executed by the Applicant as JV member.

		3. 1	Financial Situation	and Performan	nce		
				Joint Ve	nture (existing o	r intended)	
	Criterion	Requirement	Single Entity	All Parties Combined Each Member		One Member	Documentation Required
3.1	Financial Capabilities	(i) The Applicant shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as Euro 8,000,000 (eight million Euros) for the subject contract(s) net of the Applicants other commitments;	Must meet requirement	Must meet requirement	N/A	N/A	Forms FIN-3.1 with attachments and FIN-3.3
		 (ii) The Applicant shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments; 	Must meet requirement	Must meet requirement	N/A	N/A	Forms FIN-3.1 and FIN-3.4
		(iii) The audited balance sheets or, if not required by the laws of the Applicant's country, other financial statements acceptable to the Employer, for the last three (3) years shall be submitted and demonstrate the current soundness of the Applicant's financial position. If audited accounts are available for year 2023, the Applicant shall produce the audited accounts for years 2023 ³ , 2022, 2021	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN–3.1 with attachments
		The Applicant's financial position will be deemed sound if the following criteria are met:					
		a) Total equity (net worth) for the last three (3) years > 0;					

³ If the most recent set of financial statements is for a period earlier than 12 months from the date of application, the reason for this should be justified.

		3.	Financial Situation	and Performa	nce		
				Joint Ve	nture (existing o	r intended)	
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
		And at least two (2) of the following three (3) criteria are met: b) Average earnings before interest, taxes, depreciation, and amortization (EBITDA) for the last three (3) years > 0; c) Average liquidity ratio for the last three (3) years > 1 ((Current assets) / (Current liabilities) > 1); d) Average indebtedness ratio for the last three (3) years < 6 ((Total financial liabilities) / (EBITDA) < 6).					
3.2	Minimum Annual Turnover	Minimum average annual turnover of Euro 30,000,000 (thirty million Euros) , for the last five (5) years.	Must meet requirement	Must meet requirement	Must meet twenty-five per cent (25%) of the requirement	Must meet forty per cent (40%) of the requirement	Form FIN-3.2

			4.	Experience			
				Joint Vent	ture (existing o		
	Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
4.1	General Experience	Experience under construction/operation contracts that have been satisfactorily and substantially completed in the role of prime contractor, JV member, subcontractor, or management contractor for conventional and/or design, build construction and/or operation contract during the seven (7) years prior to the application submission deadline.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP-4.1 For each mentioned experience, are requested: In case of on-going works: Letter of the client specifying the technical and financial characteristics of the works In case of accomplished works: a duly signed certificate of performance, completion from the client.
4.2	Specific Experience: Design & Build of WWTPs	A minimum number of contracts of similar nature ⁴ as specified below that have been satisfactorily and substantially completed ⁵ as a prime contractor, joint venture member ⁶ , management contractor or subcontractor, between 1st January 2014 and the application submission deadline: a) one (1) major size contract, conventional (i.e. Build) and / or Design & Build, each contract of a minimum value Euro 45,000,000 (forty-five million euros), or b) two (2) average size contracts, conventional (i.e. Build) and / or Design & conventional (i.e. Bu	Must meet requirement The Applicant may rely on experience of a named Design subcontractor	Must meet requirement ⁷ The Applicant may rely on experience of a named Design subcontractor.	N/A	The Lead partner of the Joint Venture must meet the requirement of at least: 1 major size contract, or 1 out of the 2 average size contracts.	Form EXP-4.2(a) For each mentioned experience, are requested: In case of on-going works: Letter of the client specifying the technical and financial characteristics of the works In case of accomplished works: a duly signed certificate of performance, completion from the client.

⁴ Adding up small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

⁵ Substantial completion shall be based on 80% or more works completed under the contract.

For contracts under which the Applicant participated as a joint venture member or subcontractor, only the Applicant's share, by value, shall be considered to meet this requirement.

In the case of a JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. For instance, if the criterion mentions "two (2) contracts with a minimum value of 50M\$ each", a JV composed of 3 members and having carried out four (4) contracts of 30M\$ each shall not be qualified. On the other hand, if 2 of the 3 members of the JV each carried out one (1) contract of 50M\$, the criterion is met, even if the third member does not have any contract of this value.

		4.	Experience			
			Joint Vent	ure (existing o	r intended)	
Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
	Build, each contract of a minimum value Euro 28,000,000 (twenty-eight million Euros),					

c) Minimum key technical requirements of each contract:

For the one (1) major size contract:

- WWTP capacity not less than 13,000 m3/day and
- WWTP process including among other components: biological nutrient removal, activated sludge process, anaerobic digestion of sludge.

For each of the two (2) average size contracts:

- WWTP capacity not less than 8,000 m3/day.
- WWTP process including among other components: biological nutrient removal, activated sludge process, anaerobic digestion of sludge.

In case the Applicant does not own the **Design experience /capacity,** in accordance with ITA 24.2 & 24.3, he shall nominate an International or Jordanian Consultancy firm owning such experience / capacity as "specialized subcontractor" referred to as the "Design Subcontractor".

In case a Jordanian Consultancy firm is proposed as full member of a JV or as design subcontractor of this JV, it shall be a grade 1A Consultancy firm in the field of water and wastewater and own the requested references.

Refer to 4.4 **Specific Experience: Design of WWTP projects, hereunder.**

Form EXP-4.2(b)

For each mentioned experience, are requested:

- In case of on-going works:
 Letter of the client specifying the technical and financial characteristics of the works
- In case of accomplished works: a duly signed certificate of performance, completion from the client.

		4.	Experience			
			Joint Vent	ure (existing o		
Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
4.3 Specific Experience: Operation & Maintenance of WWTP	Operation and Maintenance (O&M) of WWTP: a) Number: a minimum of two (2) O&M contracts (or DBO contracts with an O&M component), substantially completed as a prime contractor or subcontractor in similar projects with capacities of at least 8,000 m3 per day within the last ten years prior to application submission deadline. Each of the contracts required above shall meet the following minimum key requirements: b) Duration: each with a five (5)- year minimum duration c) Amount: each with a minimum value of Euro 10 million d) Key technical requirements of each contract: as per 4.2 (c) above	Must meet requirement.	Must meet requirement.	N/A	The Joint Venture partner named as the "O&M services Provider" on Form ELI – 1.1 must meet these requirements.	Form EXP – 4.3 For each mentioned experience, are requested: - In case of on-going works: Letter of the client specifying the technical and financial characteristics of the works - In case of accomplished works: a duly signed certificate of performance, completion from the client.
4.4 Specific Experience: Design of DB a/o DBO WWTP projects	Specific experience: Design in Wastewater Treatment Plant Design/Build a/o Design/Build/Operate Projects Experience of design of at least three (3) Contracts completed between 1st January	Must meet requirement. The Applicant may rely on the experience of a named	Must meet requirement. The Applicant may rely on the experience		The subcontractor or Joint Venture partner named as the	Form EXP – 4.4 For each mentioned experience, are requested: - In case of on-going works:

		4.	Experience			
	Joint Venture (existing or intended)				r intended)	
Criterion	Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
	2014 and application submission deadline Each of the contract reference required above shall meet the following minimum key requirements: 1. WWTP capacity not less than 8,000 m3/day. 2. WWTP process including among others components: Biological nutrient removal, activated sludge process, anaerobic digestion of sludge. The design experience shall cover the Preliminary / Pre-final / Final design / AsBuilt phases for each discipline (Process, Mechanical, Structural, HVAC, Plumbing, Electrical, and Instrumentation, etc.,).	Design subcontractor	of a named Design subcontractor		"Designer" on Form ELI – 1.1 must meet these requirements	Letter of the client specifying the technical and financial characteristics of the works - In case of accomplished works: a duly signed certificate of performance, completion from the client

	5. Environmental, Social, Health and Safety (ESHS)						
Criterion				Joint Venture (existing or intended)			
		Requirement	Single Entity	All Parties Combined	Each Member	One Member	Documentation Required
5.1	ESHS Certification(s)	Availability of a valid ISO certification or internationally recognized equivalent (equivalency to be demonstrated by Applicant), and applicable to the worksite. Quality management certificate ISO 9001;8	Must meet requirement	N/A	N/A	Leader must meet requirement	Form CER Form CER
5.2	ESHS Documentation	Availability of in-house policies and procedures acceptable to the Employer for ESHS management: 1. Existence of an Ethics Charter; 2. Existence of a system for monitoring compliance	Must meet requirement	N/A	N/A	Leader must meet requirement	 The ESHS Ethics Charter of the company or equivalent must be provided. A procedure or information on how the Bidder ensures that all members of the Joint Venture, subcontractors, suppliers and temporary labor (i) are aware and

⁸ The ISO 9001 certification covers the principles of quality management, including a strong customer focus, motivation and commitment of management, process approach and continuous improvement.

⁹ The ISO 14001 certification defines the criteria for an environmental management system.

¹⁰ The ISO 45001 certification defines a management system for health and safety at work with the overall objective of preventing the occurrence of work related injuries and diseases among workers and providing safe and healthy workplaces.

		with ESHS commitments for the Applicant's subcontractors and all its partners; 3. Existence of official company procedures for the management of the following relevant points: Image:					3.	(ii) meet ESHS requirements must be provided. Official internal procedure documents on the topics indicated must be provided.
5.3	Similar Experience	sedimentation; Experience of at least two (2) conventional and/or Design/Build construction	Must meet requirement	N/A	N/A	Leader must meet requirement	dod	rm EXP-ESHS with supporting cuments (the Applicant shall pmit a piece of evidence

		contracts over the last 10 years, where major ESHS measures were carried out or are on progress satisfactorily and in compliance with international standards.					supporting the ESHS implementation measures)
5.5	ESHS Dedicated Personnel	Availability of in-house personnel dedicated to ESHS issues: Environmental and Social Manager, and/or Health and Safety Manager.	Must meet requirement	N/A	N/A	Leader must meet requirement	Organizational chart evidencing filled ESHS position(s)

Section IV – Application Forms

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Application Submission Form

		Date:	[insert day, month, and year]
		IPC No. and title:	[insert IPC number and title]
To:	-		[insert full name of Employer]
We,	, the undersigned, apply to be prequa	lified for the referenced IPC	C and declare that:
a)		number and issuing date	qualification Documents, including e of each addendum], issued in
b)	We have no conflict of interest in a	ccordance with ITA 4.4;	
c)	We have not been suspended nor Bid Securing Declaration in the Em		Employer based on execution of a ance with ITA 4.5;
d)	We understand that you reserve Applications at any time, without the		qualification process and reject all \prime to the Applicants.
Ū	ned [insert signature(s) of an authoriz	red representative(s) of the	Applicant]
	me: ert full name of person signing the Ap	oplication]	
	he capacity of: ert capacity of person signing the App		
Duly	y authorized to sign the Application fo	or and on behalf of:	
	olicant's name: ert full name of Applicant or the name		
	dress: ert street number/town or city/country	address]	
Date	ed on:	_ day of:	year:

[For a joint venture, either all members shall sign or only the authorized representative, in which case the power of attorney to sign on behalf of all members shall be attached. In case of a letter of intent to form a joint venture, it shall be attached and all members shall sign it.]

Statement of Integrity, Eligibility and Environmental and Social Responsibility

Reference of the bid or proposal	(the "Contract")
To:	(the "Contracting Authority")

- 1. We recognise and accept that *Agence Française de Développement* ("**AFD**") only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
- 2. We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:
 - 2.1 Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganisation or being in any analogous situation arising from any similar procedure;
 - 2.2 Having been:
 - a) convicted, within the past five years by a court decision, which has the force of res judicata in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);
 - subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);
 - c) convicted, within the past five years by a court decision, which has the force of res
 judicata, of fraud, corruption or of any other offense committed during the
 procurement process or performance of an AFD-financed contract;
 - 2.3 Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
 - 2.4 Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
 - 2.5 Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;
 - 2.6 Being subject to an exclusion decision of the World Bank and being listed on the website http://www.worldbank.org/debarr (in the event of such exclusion, you may attach to this

- Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);
- 2.7 Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.
- 3. We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:
 - 3.1 Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
 - 3.2 Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
 - 3.3 Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;
 - 3.4 Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;
 - 3.5 In the case of procurement of goods, works or plants:
 - a) Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract;
 - b) Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract.
- 4. If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
- 5. We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.
- 6. In the context of the procurement process and performance of the corresponding contract:
 - 6.1 We have not and we will not engage in any dishonest conduct (act or omission) deliberately indented to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;
 - 6.2 We have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;
 - 6.3 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity;

- 6.4 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;
- 6.5 We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;
- 6.6 Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France:
- 6.7 We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or subconsultants comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.
- 7. We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or subconsultants authorise AFD to inspect accounts, records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name:	In the capacity of:
Duly empowered to sign in the name an	d on behalf of¹:
Signature:	
Dated:	

In case of joint venture, insert the name of the joint venture. The person who will sign the application, bid or proposal on behalf of the applicant, bidder or consultant shall attach a power of attorney from the applicant, bidder or consultant.

Form ELI-1.1: Applicant Information Form

Date: [insert day, month, year]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

	cant's t full n	name: pame]					
	In case of Joint Venture (JV), name of each member:						
		a JV, Applicant's actual or intended country of constitution:					
		actual or intended year of constitution:ear of Constitution]					
Appli	cant's	legal address (in country of constitution):					
[inse	t stree	et / number / town or city / country]					
Appli	cant's	authorized representative information:					
Name	e:						
[inse	t full n	pame]					
	ss:						
_		et / number / town or city / country]					
		Fax numbers:					
Emai	addre	ess:					
[indic	ate en	nail address]					
1.	Attac	thed are copies of original documents of:					
	Articles of Constitution (or equivalent documents of association), of the legal entity named above.						
	☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1.						
	In case of state-owned enterprise or institution, in accordance with ITA 4.3, document establishing:						
		 Legal and financial autonomy Operation under commercial law That the Applicant is not dependent agency of the Employer 					
2.	Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.						

2.

Form ELI-1.2: Applicant's JV Information Form

[The following table shall be filled by each member of a Joint Venture and, if applicable, by any specialized subcontractor, and in that case substitute "Applicant's JV member" for "specialized subcontractor".]

Date: [insert day, month, year]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

	cant na t full n	ame: ame]	
		JV Member's name:ame of Applicant's JV Member]	
		JV Member's country of constitution:untry of constitution]	
		JV Member's year of constitution:ar of constitution]	
		JV Member's legal address in country of constitution:et / number / town or city / country]	
	cant's	JV Member's authorized representative information:	
	t full n		
Addre			
-		et / number / town or city / country]	
		Fax numbers:hone/fax numbers, including country and city codes]	
-	addre		
		nail address]	
1.	Attac	hed are copies of original documents of:	
	X	Articles of Constitution (or equivalent documents of association), of the legal entity name above.	ed
	X	In case of state-owned enterprise or institution, in accordance with ITA 4.3, document establishing:	nts
		Legal and financial autonomyOperation under commercial law	

That the Applicant is not dependent agency of the Employer

Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form CON-2: Historical Contract Non-Performance, Pending Litigation and Litigation History

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

	Non	Non-Performed Contracts in accordance with Section III - Evaluation and Prequalification Criteria					
ַ		Contract non-performance did not occur since 1st January [insert current year number less 5] sp. Section III - Evaluation and Prequalification Criteria, criterion 2.1.					
	Contract(s) not performed since 1 st January [insert current year number less 5] specified Section III - Evaluation and Prequalification Criteria, criterion 2.1, as indicated below:						
Year		Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and Euro equivalent)			
[insert year]		[insert amount and percentage]	Contract Identification: [indicate complete contract name/ number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country]	[insert amount]			
			Reason(s) for non-performance: [indicate main reason(s)]				

Pe	ending Litigation, ir	accordance with Section III - Evaluation and Prequalificat	ion Criteria			
☐ Pend						
Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), EURO Equivalent (exchange rate)			
[insert year]	[insert amount]	Contract Identification: [indicate complete contract name, number, and any other identification]	[insert amount]			
		Name of Employer: [insert full name]				
		Address of Employer: [insert street/city/country]				
		Matter in dispute: [indicate main issues in dispute]				
		Party who initiated the dispute: [indicate "Employer" or "Contractor"]				
		Status of dispute: [indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary, specify "pending" or "settled"]				
[insert year]	[insert amount]		[insert amount]			

Form FIN-3.1: Financial Situation and Performance

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

1. Financial data

Type of Financial information in [indicate currency]	Historic information for previous [insert number, in figure and in words] years (Amount in [indicate currency, exchange rate, Euro equivalent])		
	Year 1 2020	Year 2 2021	Year 3 2022
Statement of financial position (information from	balance sheet)	
Total assets (TA)			
Total financial liabilities ¹			
Total equity/Net worth (NW)			
Current assets			
Current liabilities			
Working capital (WC)			
Information from	income stateme	nt	
Total revenue			
Earnings before interest, taxes, depreciation, and amortization (EBITDA) ²			
Earnings before taxes (EBT)			
Cash flow information			
Cash flow from operating activities			

Means any financial indebtedness for and in respect of:

- a) any monies borrowed on a short, medium or long-term basis;
- b) any bank overdraft;
- c) any amounts raised pursuant to any bills of exchange issued to a third party (or any dematerialised equivalent of such instrument);
- d) any amounts raised pursuant to any note purchase facility or the issue of bonds, notes, debentures, loan stock or any similar instruments;
- e) the amount of any liability in respect of any lease or hire purchase contract which would be treated as a finance or capital
- f) receivables sold or discounted (other than any receivables to the extent they are sold on a non-recourse basis).
- Means, for any given year, the aggregate of:
 - (+) net income
 - (+) tax expense
 - (+/-) extraordinary income or expense
 - (+/-) financial result
 - (+/-) net foreign exchange losses or gains
 - (+) net depreciation and amortization allowances and provisions

2. Financial Documents

The Applicant and, in case of a JV, each member, shall provide copies of financial statements for *three* (3) years pursuant Section III - Evaluation and Prequalification Criteria, criterion 3.1. The financial statements shall:

- a) Reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or subsidiary);
- b) Be independently audited or certified in accordance with local legislation;
- c) Be complete, including all notes to the financial statements;
- d) Correspond to accounting periods already completed and audited.
- Attached are copies of financial statements³ for the *three* (3) years required above; and complying with the requirements.

If the most recent set of financial statements is for a period earlier than 12 months from the date of application, the reason for this should be justified.

Form FIN-3.2: Annual Turnover

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

V	Annual turnover data				
Year	Amount and Currency ¹	Exchange rate	EURO Equivalent		
[Indicate calendar year]	[insert amount and indicate currency]	[insert exchange rates used to calculate the EURO equivalent]	[insert EURO equivalent]		
		Average Annual Turnover ²			

¹ The indicated turnover amounts must be identical as those appearing on the financial statements.

See Section III - Evaluation and Prequalification Criteria, criterion 3.2.

Form FIN-3.3: Sources of Finance

[The following table shall be filled in for the Applicant and all members combined in case of a Joint Venture]

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section III - Evaluation and Prequalification Criteria.

	Financial Resources				
No.	Source of Financing	Amount (EURO equivalent)			
1					
2					
3					

Form FIN-3.4: Current Contract Commitments / Works in Progress

Applicants and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

	Current Contract Commitments				
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work (Current EURO Equivalent)	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months (EURO/month)
1					
2					
3					
4					
5					

Form EXP-4.1: General Experience

[The following table shall be filled in for the Applicant and in the case of a JV Applicant, each Member]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

[Identify contracts that demonstrate continuous construction work over the past five (5) years pursuant to Section III - Evaluation and Prequalification Criteria, criterion 4.1. List contracts chronologically, according to their commencement (starting) dates.]

Starting Year	Ending Year	Contract Identification	Role of Applicant
[indicate year]	[indicate year]	Contract Name: [insert full name] Brief description of the works performed by the Applicant: [describe works performed briefly] Amount of Contract: [insert amount in currency, mention currency used, exchange rate and EURO equivalent] Name of Employer: [indicate full name] Address: [indicate street/number/town or city/country]	[insert "Prime Contractor" or "JV Member" or "Subcontractor" or "Management Contractor"]

Form EXP-4.2: Specific Experience

[The following table shall be filled in for contracts performed by the Applicant or each member of a Joint Venture]

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

Similar Contract No.: [insert number] of [insert number of similar contracts required]	Information		
Contract Identification:	[insert contract name and number, if applicable]		
Award Date:	[insert day, month, year, i.e., 15 J	lune, 2015]	
Completion Date:	[insert day, month, year, i.e., 03 C	October, 2017]	
Role in Contract: [check the appropriate box]	□ □ □ Prime Member in JV Management Contractor Contractor		□ Subcontractor
Total Contract Amount:	[ins rate con in E		EURO [insert Exchange rate and total contract amount in EURO equivalent]
If member in a JV or subcontractor, specify participation in total Contract amount:	[insert a percentage amount] [insert total contract amount in local currency]		[insert exchange rate and total contract amount in EURO equivalent]
Employer's Name:	[insert full name]		
Address:	[indicate street/number/town or city/country]		
Telephone/Fax numbers:	[insert telephone/fax numbers, including country and city area codes]		rea codes]
Email:	[insert email address, if available]		

Form EXP-4.2: Specific Experience (cont.)

Applicant's Name: [insert full name] Joint Venture Member's Name: [insert full name]

Similar Contract No.: [insert number] of [insert number of similar contracts required]		Information		
	Description of the similarity in accordance with criterion 4.2(a) of Section III - Evaluation and Prequalification Criteria			
1.	Amount	[insert amount in local currency, exchange rate, EURO in words and in figures]		
2.	Physical size of required works items	[insert physical size of items]		
3.	Complexity	[insert description of complexity]		
4.	Methods/Technology	[insert specific aspects of the methods/technology involved in the contract]		
5.	Construction rate for key activities	[insert rates and items]		
6.	Other Characteristics	[insert other characteristics as described in Section VII - Scope of Works]		

Form EXP - 4.3 Operation and Maintenance Experience

[The following table shall be filled in for the Applicant's O&M Services Provider]

O&M Services Provider's Name: [insert full name]
Date: [insert day, month, year]

Page [insert page number] of [insert total number] pages

[Identify contracts that demonstrate experience in providing Operation and Maintenance for the type of facilities included in the Madaba WWTP project, pursuant to Section III, Qualification Criteria and Requirements, Requirement 4.3. List contracts chronologically, according to their commencement (starting) dates.]

Starting	Ending	Contract Identification			
Month /	Month /				
Year	Year				
[indicate	[indicate	Contract name: [insert full name]			
month/ year]	month/ year]	Brief Description of the Applicant's O&M Services Provider: [describe works performed briefly and duration]			
		Amount of contract: [insert amount in EURO equivalent]			
		Name of Employer: [indicate full name]			
		Address: [indicate street/number/town or city/country]			
		Contract name: [insert full name]			
		Brief Description of the Applicant's O&M Services Provider: [describe works performed briefly and duration]			
		Amount of contract: [insert amount in EURO equivalent]			
		Name of Employer: [indicate full name]			
		Address: [indicate street/number/town or city/country]			
		Contract name: [insert full name]			
		Brief Description of the Applicant's O&M Services Provider: [describe works performed briefly and duration]			
		Amount of contract: [insert amount in EURO equivalent]			
		Name of Employer: [indicate full name]			
		Address: [indicate street/number/town or city/country]			
		Etc.			

Form EXP - 4.4

Design Experience in DB and/or DBO Wastewater Treatment Plants Projects

[The following table shall be filled in for the Applicant's Designer or the design subcontractor]

Designer's Name: [insert full name]
Date: [insert day, month, year]

Page [insert page number] of [insert total number] pages

[Identify contracts that demonstrate experience in the design of Design/Build and/or Design/Build/Operate Wastewater Treatment Plant projects, pursuant to Section III, Qualification Criteria and Requirements, Requirement 4.4. List contracts chronologically, according to their commencement (starting) dates.]

Starting	Ending	Contract Identification	
Month /	Month /		
Year	Year		
[indicate	[indicate	Contract name: [insert full name]	
month/ year]	month/ year]	Brief Description of the Works designed by the Applicant's designer: [describe works performed briefly]	
		Amount of contract: [insert amount in Euro equivalent]	
		Name of Employer: [indicate full name]	
		Address: [indicate street/number/town or city/country]	
	Contract name: [insert full name]		
		Brief Description of the Works designed by the Applicant's designer: [describe works performed briefly]	
		Amount of contract: [insert amount in Euro equivalent]	
		Name of Employer: [indicate full name]	
		Address: [indicate street/number/town or city/country]	
		Contract name: [insert full name]	
		Brief Description of the Works designed by the Applicant's designer: [describe works performed briefly]	
		Amount of contract: [insert amount in Euro equivalent]	
		Name of Employer: [indicate full name]	
		Address: [indicate street/number/town or city/country]	

Form CER: Quality Management / Environmental, Social, Health and Safety (ESHS) Certification

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

<u>Certification [Quality / Environmental / Health and Security]</u> [Delete as appropriate]

DESCRIPTION	INFORMATION
Identification of the certificate:	
	[insert full name of the certificate]
Date of Issue:	
	[insert day, month, year of first certificate award]
Areas covered by the certificate:	
	[activities and locations]
Expiry Date:	
	[insert day, month, year]
Issuer's Name:	
	[insert full name]
Address:	
	[insert street / number / town or city / country]
Telephone/Fax numbers:	
	[insert phone/fax no., incl. country & city area codes]
Email:	
	[insert email address, if available]
Compliance with international standards	The certificate is [ISO 9001, ISO 14001, ISO 45001] [select as appropriate]
	□ Yes / □ No
If no, proof of conformity with ISO standards by the Applicant	The Applicant shall provide a conformity assessment of its certificate by an internationally recognized Accredited Certification Body

The Applicant shall fill this Form for each Certification required under criterion 5.1 of Section III - Evaluation and Prequalification Criteria.

Form EXP-ESHS: Environmental, Social, Health and Safety (ESHS) Experience

Applicant's Name: [insert full name]
Date: [insert day, month, year]
Joint Venture Member's Name: [insert full name]
IPC No. and title: [insert IPC number and title]
Page [insert page number] of [insert total number] pages

Similar Contract No.: [insert number] of [insert number of similar contracts required]	Information		
Contract Identification:		ne and number if appl	icable1
Short Project Description (main scope and key values of project):	[insert contract name and number, if applicable] [insert short project description]		
Award date:			
Completion date:	[insert day, month, year]		
Role in Contract: [check the appropriate box]	□ □ □ □ □ Prime Member in JV Management Subcontract Contractor Contractor		
Total Contract Amount:	[insert total contract amount in local currency] [insert total contract amount in local amount in Euro equivalent]		
If party in a JV or subcontractor, specify participation of total contract amount:	[insert a [insert total [insert total contract amount in amount		[insert total contract amount in Euro equivalent]
Employer's name:	[insert full name]		
Address:			
	[insert street / number / town or city / country]		ntry]
Telephone/Fax numbers:	[insert phone/fax nu	ımbers, including cour	ntry and city area codes]
Email:	[insert email address, if available]		

Similar Contract No.: [insert number] of [insert number of similar contracts required]		Information
Description of the ESHS challenges and measures implemented under the contract:		
a) b)	ESHS Challenge: ESHS Risk Assessment Level:	[Insert description] [Insert classification of risk assessment as per development bank classification if applicable]
c)	ESHS implemented measures (as per criterion 5.3 of Section III - Evaluation and Prequalification Criteria):	[Provide a document supporting the implementation of ESHS measures, acceptable to the Employer ¹]
d)	ESHS Knowhow Transfer or ESHS Local Staff Capacity Building (as per criterion 5.4, if any, of Section III - Evaluation and Prequalification Criteria):	[Provide evidence of successful: - ESHS knowhow transfer to local partners or subcontractors; or - ESHS capacity building to local staff under the contract.]

For example ESHS activity reports, ESHS final reports, ESHS inspection reports, supervision Engineer's reports, etc. Only documents evidencing implementation of ESHS measures shall be accepted.

For example ESHS activity reports presenting training activities, training materials with attendance sheets, etc. Only documents evidencing ESHS knowhow transfer or ESHS local staff capacity building shall be accepted.

Section V – Eligibility Criteria

Eligibility in AFD-Financed Procurement

- 1. Financing allocated by AFD to a Contracting Authority has been entirely untied since 1st January 2002. To the exception of any equipment or any sector which is subject to an embargo by the United Nations, the European Union or France, all goods, works, plants, consulting services and non-consulting services are eligible for AFD financing regardless of the country of origin of the supplier, contractor, subcontractor, consultant or subconsultant inputs or resources used in the implementation processes. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
- 2. Natural or legal Persons¹ (including all members of a joint venture or any of their suppliers, contractors, subcontractors, consultants or subconsultants) shall not be awarded an AFD-financed contract if, on the date of submission of an application, a bid or a proposal, or on the date of award of a contract, they:
 - 2.1 Are bankrupt or being wound up or ceasing their activities, are having their activities administered by the courts, have entered into receivership, or are in any analogous situation arising from a similar procedure;

2.2 Have been:

- a) convicted, within the past five years by a court decision, which has the force of res judicata in the country where the contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this conviction is not relevant in the context of the Contract;
- b) subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where they are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this sanction is not relevant in the context of the Contract;
- c) convicted, within the past five years by a court decision, which has the force of res judicata, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
- 2.3 Are listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
- 2.4 Have been subject within the past five years to a contract termination fully settled against them for significant or persistent failure to comply with their contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against them;
- 2.5 Have not fulfilled their fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where they are constituted or the Contracting Authority's country;
- 2.6 Are subject to an exclusion decision of the World Bank and are listed on the website http://www.worldbank.org/debarr, unless they provide supporting information together with

Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this exclusion is not relevant in the context of the Contract;

- 2.7 Have created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of the Contract.
- 3. State-owned entities may compete only if they can establish that they (i) are legally and financially autonomous, and (ii) operate under commercial law. To be eligible, a state-owned entity shall establish to AFD's satisfaction, through all relevant documents, including its Charter and other information AFD may request, that it: (i) is a legal entity separate from their state (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to their state, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt.

Section VI – AFD Policy - Corrupt and Fraudulent Practices – Environmental and Social Responsibility

1. Corrupt and Fraudulent Practices

The Contracting Authority and the suppliers, contractors, subcontractors, consultants or subconsultants must observe the highest standard of ethics during the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.

By signing the Statement of Integrity the suppliers, contractors, subcontractors, consultants or subconsultants declare that (i) "it did not engage in any practice likely to influence the contract award process to the Contracting Authority's detriment, and that it did not and will not get involved in any anticompetitive practice", and that (ii) "the procurement process and the performance of the contract did not and shall not give rise to any act of corruption or fraud".

Moreover, AFD requires including in the Procurement Documents and AFD-financed contracts a provision requiring that suppliers, contractors, subcontractors, consultants or subconsultants will permit AFD to inspect their accounts and records relating to the procurement process and performance of the AFD-financed contract, and to have them audited by auditors appointed by AFD.

AFD reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- Reject a proposal for a contract award if it is established that during the selection process the bidder or consultant that is recommended for the award has been convicted of corruption, directly or by means of an agent, or has engaged in fraud or anti-competitive practices in view of being awarded the Contract;
- b) Declare misprocurement when it is established that, at any time, the Contracting Authority, the suppliers, contractors, subcontractors, consultants or subconsultants their representatives have engaged in acts of corruption, fraud or anti-competitive practices during the procurement process or performance of the contract without the Contracting Authority having taken appropriate action in due time satisfactory to AFD to remedy the situation, including by failing to inform AFD at the time they knew of such practices.

AFD defines, for the purposes of this provision, the terms set forth below as follows:

- a) Corruption of a Public Officer means:
 - The act of promising, offering or giving to a Public Officer, directly or indirectly, an undue advantage of any kind for himself or for another Person¹ or entity, for such Public Officer to act or refrain from acting in his official capacity; or
 - The act by which a Public Officer solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity.
- b) A Public Officer shall be construed as meaning:
 - Any person who holds a legislative, executive, administrative or judicial mandate (within the country of the Contracting Authority) regardless of whether that natural Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the natural Person occupies;
 - Any other natural Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service;

Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

 Any other natural Person defined as a Public Officer by the national laws of the country of the Contracting Authority.

c) Corruption of a Private Person² means:

- The act of promising, offering or giving to any Private Person, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations; or;
- The act by which any Private Person solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations.
- d) Fraud means any dishonest conduct (act or omission), whether or not it constitutes a criminal offence, deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate consent, to circumvent legal or regulatory requirements and/or to violate internal rules in order to obtain illegitimate profit.
- e) Anti-competitive practices mean:
 - Any concerted or implied practices which have as their object or effect the prevention, restriction or distortion of competition within a marketplace, especially where they (i) limit access to the marketplace or free exercise of competition by other undertakings, (ii) prevent free, competition-driven price determination by artificially causing price increases or decreases, (iii) restrict or control production, markets, investments or technical progress; or (iv) divide up market shares or sources of supply;
 - Any abuse by one undertaking or a group of undertakings which hold a dominant position on an internal market or on a substantial part of it;
 - Any practice whereby prices are quoted or set unreasonably low, the object of which is to eliminate an undertaking or any of its products from a market or to prevent it from entering the market.

2. Environmental and Social Responsibility

In order to promote sustainable development, AFD seeks to ensure that internationally recognised environmental and social standards are complied with. Suppliers, contractors, subcontractors, consultants or subconsultants for AFD-financed contracts shall consequently undertake in the Statement of Integrity to:

- a) Comply with and ensure that all their subcontractors or subconsultants comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties;
- b) Implement environmental and social risks mitigation measures when specified in the environmental and social management plan (ESMP) provided by the Contracting Authority.

² Means any natural Person other than a Public Officer.

PART 2 – Works Requirements

Section VII – Scope of Works

1. Description of the Works

The Madaba WWTP is located approximately 3 kilometers (km) south from Madaba City center. The original plant was a lagoon-based treatment system built in the 1980s. The plant was expanded and updated, starting in 2000, to an extended aeration-activated sludge treatment system that became fully operational in 2002 (referred to herein as the 2002 Plant Expansion).

The 2002 Plant Expansion upgraded the WWTP to have a biological loading capacity of 7,220 kg/d as BOD5 and hydraulic capacity of 7,600 m3/d secondary treatment configured as a biological nutrient removal (BNR) process to achieve organic matter, nitrogen, and phosphorus removal, with secondary clarifiers (settling tanks). Additionally, new plant inlet headworks and sludge handling systems (thickener and drying beds) were added. The design year for this expansion was 2010, according to the design report.

As of January 2024, the Madaba WWTP is operating at average influent flow of 8,500 cubic meters per day and actual organic load of 1,050 milligrams per Liter (mg/l), as provided by MWI/WAJ and MWC.

Based on data extracted from the recent (late 2018 update) geographical information system (GIS) database provided by MWC, the existing wastewater collection network is approximately 146 km long and serviced an estimated 96,100 people in 2015, based on the Jordan census data.

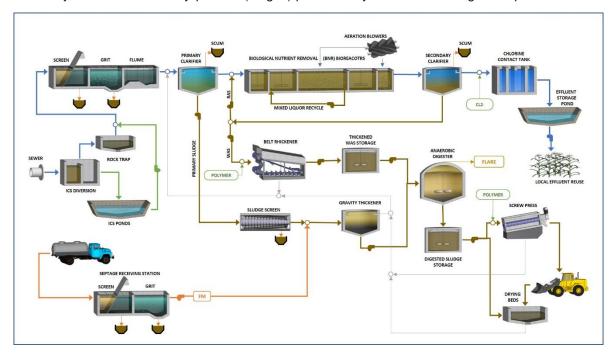
The Madaba WWTP site has an area of 400,000 square meter (m²) occupied by the current facilities. Adjacent to the plant site on the east and south sides, WAJ owns an additional 8,000 m² parcel available for expansion of the WWTP as needed.

The project scope includes the design, supply, delivery, construction, commissioning and operation of the new wastewater treatment at the location of the existing Madaba WWTP site. The specific components of the new WWTP consist of:

- 1. Head works with flow metering, screens, grit and grease removal, and influent combined sewage management system
- 2. Trucked septage unloading station
- 3. Primary clarifiers
- 4. Biological nutrient removal activated sludge process
- 5. Secondary clarification.
- 6. Waste Activated Sludge and Return Activated Sludge (WAS/RAS) conveyance systems
- 7. Effluent disinfection
- 8. Primary and WAS Sludge thickening systems
- 9. Sludge digestion with option to add CHP system in the future.
- 10. Sludge mechanical dewatering
- 11. Sludge drying beds
- 12. Odor control
- 13. Yard piping
- 14. Pump Station for local irrigation.
- 15. Site work including all utilities
- 16. Power supply and distribution system
- 17. Administration, maintenance, dewatering, sludge pumping, and chlorination buildings
- 18. Electrical, Instrument and control systems
- 19. The contract will also include a 10 years Operation Service Period (O&M) component by a professional WWTP operation contractor.
- 20. Decommissioning of existing unused structures

The Madaba WWTP expansion is a new 16,000 m³/d (average annual daily flow, which does not include the existing WWTP capacity) facility to be constructed in parallel to the existing WWTP that is to remain operational throughout the construction of the new facilities.

The Madaba Wastewater Treatment Plant (WWTP) expansion project aims to treat wastewater more efficiently and sustainably. As shown in the process diagram below, the biological treatment process begins with primary clarifiers, followed by plug-flow Biological Nutrient Removal (BNR) treatment system, and ends with secondary clarifiers. On the solids side, primary sludge thickening and waste activated sludge thickening are followed by anaerobic digestion for sludge stabilization, and the sludge dewatering and drying. The anaerobic digestion system is designed to include the future installation of a CHP system to utilize the by-product (biogas) produced by the anaerobic digestion process.



2. <u>Design-Build and Operation Services Period(s)</u>

The Contract is expected to be awarded in the second semester of 2024 with site mobilisation to commence soon afterwards. Time for Completion will be 30 months for the design-build period and a 3 year +7-year (optional) Operation Services Period. The operation contract will include sludge disposal, renewal of assets, operation of the onward pumping of treated effluent towards local or remote irrigation area; the Retention Period will be 12 months. The FIDIC Gold Book will be used for the Conditions of Contract.

3. Site and other Data

The project area falls within the hot summer Mediterranean climate. The mean maximum and minimum temperatures recorded at Madaba indicate mild wet winters and dry hot summers. The relative humidity in Madaba is around 47.9 percent in May and 75.2 percent in January and the annual average precipitation rate is around 329 mm.