



KFW

**Hashemite Kingdom of Jordan
Ministry of Water and Irrigation
Water Authority of Jordan
(WAJ)**



German Financial Cooperation with the Hashemite Kingdom of Jordan

Project:

Improving Energy Efficiency through Electricity Generation from Biogas in Wastewater Treatment Plants, Component 2: WWTPs West & East Jerash, BMZ No. 201969054

**Prequalification – Expression of Interest for Consulting Services for the Implementation Consultant (IC) for Preparing Detailed Designs, Tender Documents and Carrying out Supervision Services and Transaction Advisory Services
WAJ Tender No. 07/2024, KfW-Procurement No 510865**

Submission Deadline: Wednesday, 8th May, 12 hours Jordanian time

Project Measures:

Recently, two Feasibility Studies investigated the “biogas potential” of the existing Wastewater Treatment Plants (WWTP) across Jordan which mainly apply the extended aeration process. The studies recommended to upgrade the treatment processes of WWTPs South Amman and West Jerash to anaerobic sludge digestion and electricity generation by biogas. The overall investment budget is assumed to be in the range of 60 Mio. EUR. The current tender is focussing on WWTP West Jerash and related plants from “Cluster 1” (i.e. East Jerash and Kufranjah). Similar services for WWTP South Amman are tendered in a separate tendering process.

WAJ in this tender process is seeking to engage a qualified consultant to perform consulting services to support the implementation of the necessary modifications for the WWTP West Jerash. Further modifications will be necessary for WWTP East Jerash as the treated sludge from WWTP East Jerash shall be co-digested in WWTP West Jerash.

Additionally, WAJ intends to transfer operation and maintenance services for selected WWTPs in Yarmouk Water Company (YWC) jurisdiction to a private operator. The selected WWTPs will be clustered according to their geographical location. The so-called “Cluster 1” includes WWTPs West Jerash, East Jerash and Kufranjah. The current project shall increase the operation conditions of these three WWTP in order to make them suitable for private operation.

Necessary modifications/extensions for the concerned WWTPs are not yet finally defined, but can be summarized as follows:

For WWTP West Jerash:

- Construction of digesters

- Installation of all mechanical, electrical and control devices
- Construction of CHP units with all ancillary devices
- Gas holding tank
- Modifications and eventual rehabilitation of existing WWTP and adaption of processes (mainly primary treatment and dewatering units) to allow a switch of the current process to the new process (conventional activated sludge system -CAS)
- Sludge Transfer Pipeline between WWTP East and West Jerash
- Extension of treatment capacity

For WWTPs East Jerash and Kufranjah:

- Any rehabilitation Works needed in order to optimize the operation conditions
- For WWTP East Jerash: Preparatory works to co-digest the sludge in WWTP West Jerash

The current assignment will carry out the next planning and implementation stages for the WWTP West Jerash in addition to any other related works needed to optimize the operation conditions at East Jerash and Kufranjah WWTPs.

In the current project, the “typical” design and supervision stages of an Implementation Consultant (IC) will be complemented by transaction advisory services (TAS) for operation and maintenance of Cluster 1. TAS and IC tasks have to be combined with each other and will be further elaborated in the respective ToR.

Overview on the intended IC and TAS services (list to be treated indicatively, further descriptions are given in the long prequalification notice and will be updated and detailed during tendering):

Stage 1: Preparatory Services:

- Inception Phase Services and
- Due-Diligence Services

Stage 2: Comprehensive Preliminary Design and Tender Documents:

- Technical Design
- Update of ESIA
- Prequalification and Tender Documents (e.g. DBO-contract, FIDIC Gold Book or similar potentially with performance-based elements)

Stage 3: Assistance during Tendering:

- Prequalification Process
- Tender Process
- Bid Evaluation Process

Stage 4: Supervision of Construction Works and Supplies under strict compliance of ESHS requirements

Stage 5: Services during Defects Notification Period (DNP) including supervision of two years of operation and closure of the construction project

Stage 6: Services during operation phase

In parallel to all construction and transaction related Stages, the Consultant will ensure a professional project management during the complete assignment.

A Consultant (hereafter referred to "the Consultant") will assist the PEA, the Water Authority of Jordan, WAJ, to implement the project.

As the Programme is currently set up, the described services may still undergo review and modifications. Final scope of services and budgets will be described in the Terms of Reference attached to the Invitation to Tender.

The services are to be delivered by a team comprised of long-term and short-term staff, and other professional and administrative support staff. Efficient management shall be made available.

Eligibility:

Eligible qualified independent consultants will be defined as follows:

- a) Local consulting engineering firms satisfying the requirements as defined in this PQ document and classified as First Grade (1) in the field of Water and Wastewater and First Grade (1) in the field of Environment as per the Government Tender Directorate (GTD) classification system.

If the consultant does not have the classification in the field of Environment, then the consultant must nominate a consultant in form of a Joint Venture or as sub-consultant who is classified as First Grade (1) in the field of Environment as per the Government Tender Directorate (GTD) classification system; or

- b) International independent consulting firms satisfying the requirements as defined in this PQ document; or
- c) An association of local and international consulting firms or an international applicant with a local subconsultant, all satisfying the requirements as defined in this PQ document. The local consulting firm, regardless of whether association member or subconsultant, shall have at least one of the above-mentioned grade 1-classifications. Note: In case an ESIA will have to be submitted to the MoEV, the Consultant/JV/Consortium needs a local consultant classified as Grade 1 Consultant at the MoEV.

Further Information:

This prequalification for consulting services will be guided by the latest version of the „Guidelines for the Procurement of Consulting Services, Works, Plant, Goods and Non-Consulting Services in Financial Cooperation with Partner Countries" (version of November 2023), see <https://www.kfw-entwicklungsbank.de/International-financing/KfW-Development-Bank/Publications-Videos/Publication-series/Guidelines-and-contracts/>. It is foreseen to assign the services to an independent consultant firm with proven experience in the sector and the region. Cooperation between international and national organisations is highly encouraged. The minimum annual turnover shall exceed 6,000,000 EUR.

The full Prequalification Notice with detailed information about the project, required qualifications of the Consultants, and instructions for application should be requested from the following addresses. Emails must be addressed to all recipients, note that emails which will be only addressed to one of the recipients will not be answered.

WAJ Tender Department
Water Authority of Jordan
Attention: Eng. Khalid O. Abuzahra
Email: Khalid_Abuzahra@mwi.gov.jo

And

The Tender Agent for WWTP West & East Jerash

Lydia Cordes
Email: LC-consult@posteo.de

Important note: The current tender will apply electronic submission by an e-procurement platform. Submission by email is not allowed and will lead to disqualification of the respective firm. For detailed information on the platform and procedures, please refer to the full Prequalification Notice.

Further information and clarifications can be obtained by e-mail from WAJ tender department/ Eng. Khalid O. Abuzahra / CC the Tender Agent up to 18 days before the deadline for submission of EOIs. At any time, the Employer either at own initiative or in response to clarifications requested by an interested consultant firm may clarify this invitation by issuing an addendum. Such information shall be sent in writing by email to all registered parties (automatic registration upon request for detailed prequalification notices).