



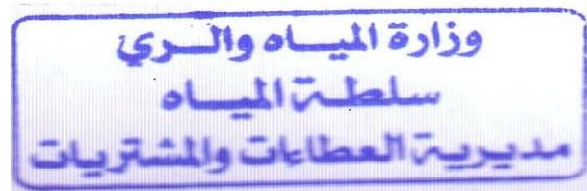
**The Hashemite Kingdom of Jordan
Ministry of Water and Irrigation
Water Authority of Jordan**

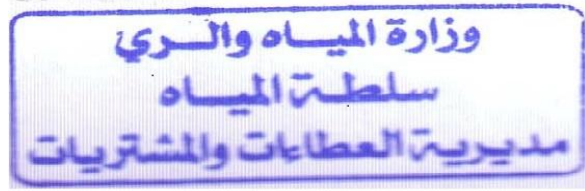
**SELECTION OF CONSULTANTS BY BENEFICIARIES OF
FINANCING FROM THE FRENCH DEVELOPMENT
AGENCY**

Tender No (13/2013/SW)

REQUEST FOR EXPRESSIONS OF INTEREST (REOI)

**Consulting Services for
Preliminary Design, Preparation of Tender Documents and
Supervision Services for Abu Alanda-Khaw Water
Transmission Pipeline
and Hydro Power Plant Project**





August, 2013

1.0 Introduction

The Ministry of Water and Irrigation / Water Authority of Jordan (WAJ) has received financing from the French Development Agency (AFD), and intends to invest this financing in Design, Construction, and Supervision for the Water Transmission Pipeline between Abu-Alanda reservoir in the south eastern part of Amman Governorate and Khaw reservoir in Zarqa Governorate, in addition to construction of a Hydro Power Plant within the existing site of Khaw Pumping Station in Zarqa Governorate.

The objective of this project is to transport water from the Disi conveyance system to Zarqa Governorate and to the Northern Governorates. The Disi conveyance system can transport up to 100 MCM/Yr from the Disi aquifer near the border to Saudi-Arabia to the central region of Jordan. This amount allows the restructuring of the current bulk water distribution system and to transport / reallocate significant quantities of water to the Northern Governorates (i.e. Irbid, Ajloun, Mafraq and Jerash).

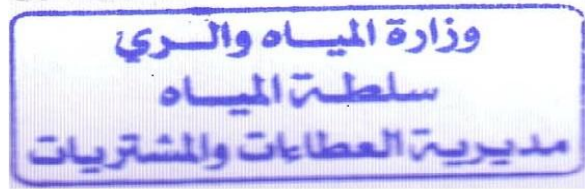
Under this project, it is envisaged to convey about 30 MCM/Yr of water from the Abu-Alanda Reservoir to Khaw pumping station, and these quantities will be divided between Zarqa and the Northern Governorates. The works also include the construction of a Hydro Power Plant (HPP), to make use of the potential energy elevation difference.

The project includes the construction of a transmission pipeline 35 km's in length and 800mm diameter, also the construction of 10km's pipeline with diameter of (400-500) mm.

2.0 Scope of Services for the Consulting Services

It is the Consultant's responsibility to critically verify the scope of services explained below and to extend, or amend it wherever it deems necessary according to his own professional judgment and the knowledge that will be acquired during the preparation of proposals. It is understood that the Consultant will perform all works as necessary to fulfill the objectives of the Project in most feasible way. The scope of work will include but is not limited to the following tasks:

- i. Preparation of preliminary design and tender documents for Abu Alandah-Khaw Water Transmission Pipeline and Hydro Power Plant Project based on Design-Build (DB) method under "The Conditions of Contract for Plant and Design Build Contract" issued by the "International Federation of National Association of Independent Consulting Engineers". This will include:



- Review and assess the Feasibility Report for Abu Alanda – Khaw Water Transmission Pipeline project, prepared by SWECO International AB, and any available studies related to the project. The Consultant shall study, modify as required and submit a brief analysis and summary of the feasibility report including assumptions and results as a value engineering step.
- Prepare the preliminary design of the most feasible scenario, preparing Design and Build documents including drawings, specifications, bill of quantities as well as a confidential cost estimate. The Design and Build tender documents shall include all the works and services needed to be carried out to achieve the objective of the project with minimum cost. The Design and Build tender document shall be based on AFD’s Guidelines and Conditions.

ii. The Consultant shall supervise the execution of the works.

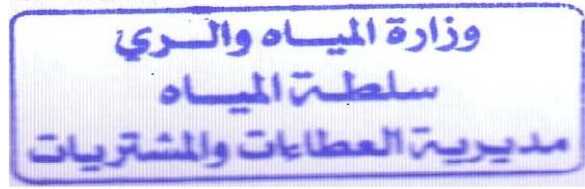
It is important that Consultants demonstrate that they have experience in special potable water blending structures and blending models (to recommend the most feasible blending scenarios for Disi water with local resources in Zarqa Governorate). In addition, they will need to show experience in Hydro Power Plant design and construction supervision, and experience in SCADA systems design and construction supervision for similar projects.

3.0 Eligibility Criteria

Eligible applicants will include the following:

- Internationally experienced Jordanian Consulting “classified as Grade A in Water and Wastewater” as per the Ministry of Public Works and Housing classification system, or
- International independent consulting firms who satisfy the requirements; or
- An association of local and international consulting firms both satisfying the requirements.

Internationally experienced consulting firms are defined as consulting firms that has delivered design and supervision services for similar water projects, with a minimum of two projects outside its home country, each should have a minimum value of 750,000 EUR for engineering services.



Jordanian consulting firms classified as Grade A in Water and Wastewater are considered as internationally experienced consulting firms if it fulfills the above condition.

For non-Jordanian international firms leading the association or joint venture, the technical input of the international firm shall not be less than 70% of the total expert man month. Efficient back-stopping staff should be available to supervise the team at home and abroad.

The lead Consultant and all associated partners (in case of a joint venture) showing a minimum annual turnover of the Lead Consultant of more than EUR 1 (one) million within each of the last 3 years.

The Client will prepare a short list of about six (6) candidates to be preselected on the basis of the expressions of interest received, who will be invited to submit a Request for Proposals (RFP) to perform the services.

4.0 Structure of the Submissions

The Water Authority of Jordan (WAJ) now invites Consultants to indicate their interest in providing the services. Interested Consultants must provide information, in English Language, indicating that they are qualified to perform the services (brochures, financial statements and balance sheets, description and details of similar assignments, experience in working under similar conditions, international experience, availability of appropriate skills among staff, etc.). Consultants may associate to enhance their qualifications.

The EoI submissions, in English language shall have the following structure and content and shall be presented in the same sequence as shown below:

- (i) **Covering Letter**, comprising the firm's name, address, contact person, telephone, fax and e-mail, if applicable, mentioning the association for this project.
- (ii) **Presentations of firms** (maximum 5 pages), in case of associations for each firm separately, inclusive clear statements of type, property and key-tasks of the partners of the association, if applicable.
- (iii) In case of an **association** - the intended contractual arrangement with international and local firms (specifying the contract type: e.g. joint venture, etc.), nominating the lead consultant and including letters of intent of participating firms (in case of local partners a fax copy of such letter of intent is sufficient).

- (iv) **Certified statement of financial capacity** of the Lead Consultant and all associated partners (in case of a joint venture) including balance sheets and profit and loss accounts of the last three years, a table resuming the turn over and the income statements of the last three years and a confirmation of guarantee limit given and still available by the company's principal bank.
- (v) **List of project references**, showing the specific experience acquired in similar projects carried out in the past 10 years and strictly related to the envisaged services, and the role of the firm in each project (*maximum 7 references*).
- (vi) **Brief CVs** (max. 5 pages) on personnel proposed for key-positions and / or backstopping and home office support.
- (vii) **List of available personnel structure** for the envisaged services with information about education, professional experience, regional experience, years with firm, specific project-related experience and experience in similar projects. This list shall allow a profound judgement on the consultants' general ability to provide the required personnel having the specific experience for the project in case of an offer.

Interested consultants are requested to submit concise and clear, but substantial documents. Although details presented in this request have been compiled with all reasonable care, it is the Consultants' responsibility to satisfy that the information is adequate and that there are no conflicts between various statements.

5.0 Duration of Assignment

The total duration of services is anticipated to be 24 months (6 months for feasibility review, conceptual design and procurement, and 18 months for supervision of works).

6.0 Submission Deadline and Details

Expressions of Interest must be delivered in one original and two copies to the address indicated below by **September 15th, 2013**, no later than 3:00pm local Amman time, indicating the name of the project in the submitted envelopes.

Ministry of Water & Irrigation
Water Authority of Jordan (WAJ)
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