

German Development Cooperation with the Hashemite Kingdom of Jordan

**Ministry of Water and Irrigation (MoWI)
Water Authority of Jordan (WAJ)**

Energy Efficiency in the Water Sector

**BMZ 2010 66 398
BMU 2008.9291-001**

Invitation for Expression of Interest

for

Consulting Services

for

**Implementation of Investment Measures for improving
the Efficiency of energetic Components of Jordanian
Water Supply Systems (Phase 2)**

Tender No. 5/2013/SW

PRE-QUALIFICATION INFORMATION

1. Invitation

The Project-Executing Agency (PEA, §2) hereby invites internationally operating qualified independent consultants to submit a prequalification document for consulting services required. Funds have been earmarked for this project by the German bilateral Financial Cooperation and International Cooperation, provided through KfW and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

2. Project-Executing Agency

PEA: Water Authority of Jordan (WAJ); The Secretary General of Water Authority of Jordan; Tel.: +962 6 5680199, Fax.: +962 6 5679143; , email: basem_telfah@mwi.gov.jo

3. Project Background

Jordan has extremely limited primary energy resources and is forced to depend to a large extent on the imported petroleum, petroleum products and natural gas. The electricity consumption in Jordan in the year 2006 was 9.579 GWh compared to 6.392 GWh in 2001 which reflects a quite remarkable average annual growth rate of about 7.7% in the recent past. Energy contributes about 74% of Jordan's total Greenhouse Gas emissions (GHG). Therefore, the Jordanian Government (GoJ) gives high priority to implementing enhanced measures for gaining energy efficiency in all relevant sectors.

The Water Authority of Jordan (WAJ) is the largest single consumer of electricity in Jordan and the current energy consumption for water supply and wastewater services amounts to about 14% of the total energy demand in the country. The Ministry of Water and Irrigation (MoWI) has identified energy saving for groundwater production, water pumping and other water sector related activities as a priority goal for the future. The energy consumption of WAJ in 2007 amounted to about 0.979 GWh (about 95% for water supply services) and the current emission of GHG per kWh is equivalent to about 0.728 kg CO₂. The estimated potential of GHG reduction in the water sector in Jordan amounts to about 150,000 t/CO₂ annually, assuming an average overall energy saving potential of about 20% for water extraction, pumping and treatment facilities. Consequently it can be concluded that the planned Energy Efficiency Program (EEP) for WAJ complies with the GoJ's objectives and strategic planning for improved energy utilisation and sustainable GHG reduction.

4. Project Measures

The PEA is seeking to engage a qualified consultant to perform "Consultancy Services (Phase 2)" for the implementation of program measures which were identified, prioritised and approved based on the results and recommendations of the preparatory study, executed under the "Energy Expert Program Phase 1" consultancy assignment. The program implementation comprises the rehabilitation, improvement and optimisation of important Jordanian water supply systems with regard to water production facilities, well field infrastructure, pumping stations, transmission lines and storage facilities (*Note: The final version of the phase 1 preparatory study is planned to be available in April 2013*).

5. Requested Consulting Services

The consultant's activities shall comprise the following: (i) Preparation of detailed design documents including definition and justification of appropriate design criteria for civil, hydraulic, mechanical, electrical and SCADA construction and installation works; (ii) Preparation of tender documents for a defined and approved set of individual sub-projects (supply and work contracts,

including the development of performance-based contracts / PSP of the tenders/contracts in coordination with WAJ/PMU and GIZ); (iii) Preparation of pre or post-qualification documents for suppliers and contractors, evaluation of submitted documents and assistance in the selection process; (iv) Tendering and evaluation of supply and work contracts and assistance during contract negotiations and award of contract procedures; (v) Construction supervision of all supply and work contracts including testing and commissioning of works and installations, and (vi) Assistance during the liability period and preparation of the “Final Project Report”.

6. **Tentative Time Schedule:** The start of tendering services for the programme Phase 2 consultancy services is planned for May / June 2013. The planned overall tendering period until award of contract amounts to about 3 months. The start of the “Engineering / Implementation Consultant“ consulting services is planned to start in September 2013 and the total anticipated execution period for those services shall be in the range of about 21 to 24 months (*Note: Still to be defined in detail as part of the on-going Energy Expert Consultancy / Program Phase 1*).
7. Services are to be provided by a team of sector and subject related experienced international and local experts. The consultant shall fulfil its tasks and services largely in Jordan and the nominated team leader will be responsible for ensuring a well-planned, coordinated and effective internal and external interaction with all concerned participants in order to ensure a timely and successful elaboration of services. The core team shall comprise the following key personnel (see Annex 2):
 1. Team leader / project manager for the detailed design and tender phase;
 2. Senior resident engineer for the construction supervision phase;
 3. Water supply engineer;
 4. Specialist for wells (Hydro-geologist or engineer with experiences in well field development);
 5. Mechanical engineer (specialised in high pressure water pumping and groundwater extraction);
 6. Electrical / SCADA engineer; and
 7. Expert for performance based contracts/ PSP (lead function for similar assignments).

Efficient management, backstopping and quality control services shall be made available by the Consultant’s head office.

8. Consultants are free to associate themselves with other firms to ensure that all required know-how and experience is available to them. The evaluation of pre-qualification documents will consider the Consultant’s / JV’s overall project specific references and professional expertise.
9. The pre-qualification document 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) **Statements and Declarations** (in case of associations the following documents shall be presented by all partners):
 - a) Declaration of submitting a proposal in case of being short-listed;
 - b) Statement on **affiliations** of any kind with other firms which may cause a conflict of interest in providing the envisaged services.

c) In case of an **association** - the intended contractual arrangement with international and local firms (specifying the contract type: e.g. subcontract, 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 intend is sufficient).

d) Declaration to observe the highest standard of ethics during execution of the contract. Applicants should be aware that any fraudulent or corrupt activities disqualify them immediately from participation in the selection process and will be subject to further legal investigation. The said declaration shall be submitted and duly signed according to the following form by each of the companies separately:

Declaration of Undertaking

We also declare that our company/all members of the consortium has/have not been included in the list of sanctions of the United Nations, nor of the EU, nor of the German Government, nor in any other list of sanctions and affirm that our company/all members of the consortium will immediately inform the client and KfW if this situation should occur at a later stage.

We acknowledge that, in the event that our company (or a member of the consortium) is added to a list of sanctions that is legally binding upon the client and/or KfW, the client is entitled to exclude our company/the consortium from the procurement procedure and, if the contract is awarded to our company/the consortium, to terminate the contract immediately if the statements made in the Declaration of Undertaking were objectively false or the reason for exclusion occurs after the Declaration of Undertaking has been issued.

We will inform our staff about their respective obligations and about their obligation to fulfil this declaration of undertaking and to obey the laws of the Hashemite Kingdom of Jordan.

(Place), this day of

Name of company

Signature(s)

- (iv) **Certified statement of financial capacity** of the Lead Consultant and all associated partners showing a minimum annual turnover of the Lead Consultant of more than EUR 2 (two) million as average of the last 3 years (balance sheets and profit and loss accounts of the last three years), a table resuming the turnover and the income statements of the last 3 years and a confirmation of guarantee limit given and still available by the lead company's principal bank.

If one or more of the above items are not included in the pre-qualification document, the application can be rejected without any further evaluation of the submitted documents.

- (v) **List of project references** (see Annex 1, EU-Format), showing the specific experience acquired in projects carried out in the past 10 years and strictly related to the envisaged services (*maximum 7 references*).
- (vi) **CVs** (EU-Format, max. 5 pages) shall be only provided for max. two (2) backstopping and quality control experts. Comprehensive information about the seven (7) proposed key-experts shall be provided in tabular form (see Annex 2).
- (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. Personnel belonging to the consulting firm or having a long cooperation gets more points.

Interested consultants are requested to submit concise and clear, but substantial documents and to adhere to the above structure. Non-compliance with this invitation or faulty information shall lead to non-qualification. Any surplus of information not specific to the material requested will be penalized. Consultants shall treat this request for qualification and its contents as confidential. Although details presented in this request have been compiled with all reasonable care, it is the Consultants' responsibility to satisfy themselves that the information is adequate and that there are no conflicts between various statements.

Interested Consultants shall inform the PEA/Tender Agent about the submission of expression of interest.

10. The pre-qualification documents shall be submitted in one original and one copy (hard copy and soft copy) to the **PEA**, one soft copy (as max. 5 pdf-documents on CD) to **KfW** and one hard & soft copy to the **TA** at the following addresses not later than the date indicated in the advertisement:

Water Authority of Jordan (WAJ)
The Secretary General of Water Authority of Jordan
P.O Box 5012
Amman 11181, Jordan
Tel : 962 6 5680100
Fax: 962 6 5679143
E-mail: basem_telfah@mwi.gov.jo

KfW
Department LAc2
Att.: Dr. Stefan Gramel
Palmengartenstr. 5-9
D-60325 Frankfurt
Germany

Dipl.-Ing. Jürgen Bickert
Tender Agent (TA)
Pappelweg 35
63263 Neu-Isenburg
Germany
Tel.: +49-6102-326820
e-mail: j.bickert@t-online.de

11. All cost for a site visit, obtaining information/data and preparation/submission of the prequalification document, meetings, negotiations, etc. in relation with the prequalification or the subsequent proposal shall be borne by the consultants.
12. At any time, the **PEA** either at their own initiative or in response to clarifications requested by an interested consultant may clarify this invitation. Such information shall be sent in writing by facsimile or e-mail to all parties, which have informed the **PEA** about their participation.
13. Submission date for the information required for this Pre-Qualification is **April 23 , 2013**. It is planned to establish a short-list of not more than five prequalified consultants not later than four weeks after the submission date and to invite technical and financial proposals from these consultants.
14. The evaluation procedure for the prequalification process will follow the latest version of the „Guidelines for Assignment of Consultants in Financial Co-operation Projects“ (refer to

homepage of KfW development bank www.kfw-entwicklungsbank.de). Only financially capable firms who have submitted the necessary statements satisfying the set conditions will be evaluated. Specific evaluation criteria and their individual weight are presented in the following table:

Criteria	Maximum Score
1 Evidence of relevant experience gained by consultants during the past ten years (<i>sector experiences of the firm</i>)	55
1.1 Experience in handling similar energy efficiency assignments in the water sector.	35
1.2 Experience under various working-conditions in emerging / developing countries.	10
1.3 Expertise with performance based contracts / PSP Approaches	10
2 Suitability for this specific Project (<i>project specific expertise</i>)	45
2.1 Assessment of available technical expertise specific to this project (see key personnel under § 7).	25
2.2 Assessment of the company's personnel structure with regard to the tasks expected (additional available personnel).	10
2.3 Assessment of the key personnel in permanent employment and always available to monitor the project team and provide back-up and quality control services from home office.	5
2.4 Form of the application documents (are they complete, concise and related to the project)?	5

15. A short-list consisting of five highest ranked consultants or less scoring a minimum of 70 points will be established. The short-listed firms will be invited to submit a technical and financial proposal; firms not pre-qualified will be informed accordingly.
16. The **PEA** is not bound to select any consultant.
17. The preparation and the submission of the prequalification document is the responsibility of the applicant and no relief or consideration can be given for errors and omissions.
18. After opening the prequalification documents until preparation of the short-list of the qualified consultants, no communication of any type shall be entertained unless called for by the establishments.

EXPERIENCE

Please complete a table using the format below to summarize the **major relevant projects related to this project** carried out in the course of the past **10** years by the legal entity or entities making this application. The number of references to be provided must not exceed **7** for the entire application.

Ref.	Project title		...						
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Role of the consultant on the project	Origin of funding	Dates (start/end)	Name of partners if any
...
Description of project						Type of services provided			
...						...			

EXPERIENCE OF EXPERTS / PERSONNEL STRUCTURE

The tables below will be used for evaluating criteria 2.1 and 2.2 according to §14. The Consultant is free to make use of similar tables as long as the same information is provided.

Key-Expert No.	Name	Years of professional experience	Years with firm	Professional Education (Diploma/ Degrees)	Function within firm	Description of specific project related experience	Regional experience	Languages
1								
2								
3								
4								
5								
6								
7								

Regarding the personnel structure the Consultant is asked to provide an overview indicating education and/or fields of specialisation and showing the composition of its total staff. Any staff not in permanent employment (e.g. freelancers) with the firm shall be displayed separately.

Education	Specialisation (in systematic order)	Number of Staff
Total		