

## INDIVIDUAL CONSULTANT PROCUREMENT NOTICE

Date: 26 March 2020

<b>Post Title:</b>	<b>Consultancy-International Expert, Water Infrastructure.</b>
<b>National or International Consultants:</b>	<b>International Consultant</b>
<b>Duration:</b>	<b>One year</b>
<b>Location:</b>	<b>Riyadh, Saudi Arabia Head Office, Ministry of Environment, Water and Agriculture</b>
<b>Project:</b>	<b>Capacity Development and Related Services for an Integrated Sustainable Development and Management of the Water Sector in the Kingdom of Saudi Arabia in the framework of the VISION 2030</b>
<b>Note</b>	This consultancy assignment will be under Ministry of Environment, Water and Agriculture (MEWA). UNDP is facilitating in disseminating the advertisement as counterpart to the MEWA. The consultant will be hired under MEWA contract. However, UNDP will also act as a sponsor and provide the required residence and working permit. Working place will be the MEWA Headquarter in Riyadh. The Project duration is 2 years, there is a possibility for extension for additional one year.

**CONTEXT/BACKGROUND:** During the last years, the Ministry of Environment, Water and Agriculture (MEWA) initiated an ambitious program for the investigations of its major surface and groundwater resources, for the monitoring of these resources, for the study of hydrological resources (research side), and for the management of the resources (management side). While most of these tasks have been completed or are about to come to an end, the implementation of most of the necessary measures is in its very early stages and hampered by the increasing workload in the ministry. The still rapidly increasing population mainly counteracts the successes the Saudi government and MEWA have achieved in sustainable resources water management through its reforms. In addition, newer and more precise predictions of the effects of climate change indicate that Saudi Arabia will be affected more than had been assumed only a decade ago.

To make a transition from the current patterns of water administration to sound water management mode, two things must happen.

First, there is strong need to strengthen the technical and organizational capacities of the MEWA to deal with the triple challenge of water exploitation and distribution (operational side), research for additional resources and cutting-edge technologies to satisfy the increasing demand (research side), and rigid control and administration of all water-related aspects (control side).

Second, a sound information base covering data on groundwater availability, quality, withdrawal, and usage is about to be put in place.

The transformation of this information into an all-encompassing water resources management requires sustained long-term efforts, especially since the MEWA has limited capacity and experience in this field. An UNDP program has been designed to initiate a systematic process of capacity development to help in

sustainable development of water resources and management of water-related affairs the Kingdom to ensure permanent and sufficient supply.

## SCOPE OF WORK AND DELIVERABLES

### Objective within the Framework of the UNDP Project

Water Supply in the Kingdom is presently based dominantly of fossil groundwater and desalination, while wastewater and surface water harvesting presently play a minor role, but are strongly promoted. Management of the Water Supply Chain in the Kingdom requires the following tasks of prime importance:

- 1) Expansion of the water supply and storage network;
- 2) Integration of surface water and wastewater into the supply chain; and
- 3) a profound analysis of all the risks that may affect the individual components of the water supply chain and a mitigation plan.

In this context, MEWA has asked UNDP for assistance in selection of a qualified and competent International Expert familiar with the infrastructure requirements for sustainable water supply management.

### Scope of Work of the UNDP Expert within the Framework of this Project

The tasks and responsibilities of the UNDP Expert are to:

- Based on the presently developed model for water supply and demand in MEWA, the expert shall:
- Estimate the water storage requirements in each major urban area in the Kingdom.
- Assess the existing water storage and water transmission facilities in these areas.
- Make a profound analysis of the future needs of storage capacity and water transmission systems in these areas.
- Optimize water storage locations and capacities based on technical and economic criteria and under consideration of risk factors, Vision 2030 goals, and the National Water Strategy.

## EXPECTED KEY DELIVERABLES

Strategic Plan for pipelines and reservoirs, development and transmission modeling.

### Expected Output 1st year

RFP for Strategic Plan for pipelines and reservoirs, development and transmission modeling.

### Reporting requirements, frequency, format and deadlines

The Consultant will report directly to the CTA. Together, they will develop a mutually agreed upon quarterly work plan with key milestones and KPIs. The Consultant will submit a quarterly progress report against these milestones.

<b><i>Deliverables/Outputs</i></b>	<b><i>Estimated Duration to Complete</i></b>	<b><i>Review and Approvals Required</i></b>
<b><u>Output 1:</u></b> After successful delivery of Outputs 1.	Quarterly	CTA - Ministry of Environment, Water and Agriculture.
<b><u>Output 2:</u></b> After successful delivery of Outputs 2.	Quarterly	CTA - Ministry of Environment, Water and Agriculture.
<b><u>Output 3:</u></b> After successful delivery of Outputs 3.	Quarterly	CTA - Ministry of Environment, Water and Agriculture.
<b><u>Output 4:</u></b> After successful delivery of Outputs 4.	Quarterly	CTA - Ministry of Environment, Water and Agriculture.

**Duration of Assignment:** Total contract duration is 12 calendar months. With a possibility for extension based on the need, performance and funds availability.

**Duty Station and Expected Places of Travel, if any:** The assignment will be based in Riyadh, Saudi Arabia at Head Office, Ministry of Environment, Water and Agriculture.

### **INSTITUTIONAL ARRANGEMENTS**

**Reporting Requirements, Frequency, Format and Deadlines:** The Consultant will report directly to CTA - Ministry of Environment, Water and Agriculture. They will develop a mutually agreed monthly deliverable activity plan with appropriate timelines. The Consultant will submit a quarterly progress report against the agreed activity plan on a mutually agreed template. To carry out the work, the consultant is expected to liaise with government partners.

#### **Working arrangements:**

- All mission travels must be approved in advance and in writing by the Supervisor;
- United Nations Development of Safe and Security – BSAFE course must be successfully completed prior to commencement of travel; <https://www.undss.org/>
- The Consultant is responsible for ensuring they have vaccinations/inoculations when travelling to certain countries, as designated by the UN Medical Director;
- The consultant is also required to comply with the UN security directives;
- The consultant is responsible for obtaining any visas needed in connection with travel with the necessary support from UNDP;
- The consultant will be responsible for making his/her own mission travel arrangements in line with UNDP travel policies;
- The consultant is responsible for required health and life insurances related to work or travel;
- The consultant is expected to have his/her own Laptop/Computer.

### **QUALIFICATIONS and REQUIREMENTS**

**Education:** MSc. or PhD. in Civil or Mechanical Engineering with a water infrastructure background;

#### **Experience:**

- Minimum of 10 years' experience in water infrastructure projects – a relevant multi-disciplinary background is considered useful;
- Comprehensive list of successfully completed projects;
- Experience in GIS to document the supply chains and localization of risks;
- Experience in modeling of supply chains;
- Demonstrated expert knowledge of standard practices within field of expertise, as well as applicable codes and regulations;
- Good (and demonstrated) organizing and leadership skills, preferably with development project management competency;
- Excellent and demonstrated communication, consultation, negotiation and drafting skills;

#### **Languages:**

- English, excellent communication and writing skills in English; as the position implies frequent contact with local authorities, also excellent communication and writing skills in Arabic are required.

## Competencies:

### Core Competencies:

- Strategic planning
- Innovation
- Organizational Awareness
- Developing and Empowering People / Coaching and Mentoring
- Works effectively in Teams
- Clear and concise communication
- Ethics and Values
- People Management

### Functional Competencies:

#### Technical/ Functional:

- Strong knowledge and expertise in civilian policing aspects
- Builds support and good judgment
- Strong analytical capacities and ability to synthesize complex inputs into coherent documents
- Change agent including the ability to convince, convey and advocate.

### Managerial:

- Focuses on impact and result for the client
- Coordinates/collaborates with all key stakeholders and build strong networks/ partnerships
- Effective team leadership with strong conflict resolution skills
- Establishes priorities for self and other members of the team; schedules activities to ensure optimum use of time and resources
- Demonstrates excellent oral and written communication skills

### Behavior:

- Displays cultural, gender, religion, race, nationality and age sensitivity and adaptability
- Treats people fairly without favoritism
- Consistently approaches work with energy and a positive, constructive attitude

## PRICE PROPOSAL AND SCHEDULE OF PAYMENTS

PRICE PROPOSAL AND SCHEDULE OF PAYMENTS (Standard text - do not change)

The contractor shall submit a price proposal as below:

Daily Fee – The contractor shall propose a daily fee, which should be inclusive of his/her professional fee, local communication cost and insurance (inclusive of medical health insurance and evacuation).

Travel and Visa – The contractor shall propose an estimated lump-sum for Home-Riyadh-home travel (economy most direct route) and Saudi Arabia visa expenses.

The total professional fee shall be converted into a lump-sum contract and payments under the contract shall be made on submission and acceptance of deliverables under the contract in accordance with the schedule of payment linked with deliverables

All proposals must be expressed in a lump sum amount. This amount must be “all-inclusive”. Please note that the terms “all-inclusive” implies that all costs (professional fees, travel costs, living allowances, communications, consumables, etc.) that could possibly be incurred are already factored into the final amounts submitted in the proposal.

The contractor will be paid an all-inclusive Deliverables/Outputs based lump sum amounts over the assignment period, subject to the submission of Certification of Payment (CoP) duly certified and confirmation of satisfactory performance of achieved work (deliverables/outputs) in line with the schedule of payments table hereunder:

Payment	Deliverables/Milestones	Schedule
Monthly Payment	Monthly payment upon submission and acceptance of monthly working plan and successful delivery of outputs	Monthly

\*\* The CTA - Ministry of Environment, Water and Agriculture shall certify and authorize all payment instalments and accompanying payment invoices prior to payment.

\*\*For each payment a certification of payment shall be signed and approved by The CTA - Ministry of Environment, Water and Agriculture attached to it explaining the accomplishment of the deliverables corresponding to the respective quarterly progress report.

Reimbursement costs/ travel costs will be paid on the basis of actual expenditure and should not exceed the approved amount in the contract calculation sheet.

#### RECOMMENDED PRESENTATION OF OFFER

Interested individual consultants must submit the following documents/information to demonstrate their qualifications. Candidates that fail to submit the required information will not be considered.

- a) Duly accomplished **Letter of Confirmation of Interest and Availability** using the template provided by UNDP;
- b) **Personal CV or P11**, indicating all past experience from similar projects, as well as the contact details (email and telephone number) of the Candidate and at least three (3) professional references;
- c) **Brief description** of why the individual considers him/herself as the most suitable for the assignment, including references to how she/he will approach and complete the assignment.
- d) **Financial Proposal** that indicates the all-inclusive total contract price, supported by a breakdown of costs, as per template provided. The terms "all-inclusive" implies that all costs (professional fees, travel costs, living allowances, communications, consumables, etc.) that could possibly be incurred are already factored into the final amounts submitted in the proposal. If an Offeror is employed by an organization/company/institution, and he/she expects his/her employer to charge a management fee in the process of releasing him/her to UNDP under Reimbursable Loan Agreement (RLA), the Offeror must indicate at this point, and ensure that all such costs are duly incorporated in the financial proposal submitted to UNDP.

All necessary information including: Complete Procurement Notice, The Selection Criteria, and Annexes are found on the following link under Procurement <http://procurement-notice.undp.org/>

#### EVALUATION

Individual consultants will be evaluated based on the following methodologies:

##### **Step I: Screening and desk review:**

Individual consultants will be evaluated based on the following methodology.

Applications will be first screened and only candidates meeting the following minimum criteria will progress to the pool for shortlisting:

- MSc. or PhD. in Civil or Mechanical Engineering with a water infrastructure background;
- Experience in GIS to document the supply chains and localization of risks;

- Experience in modeling of supply chains;
- **Shortlisted Candidates will be then assessed and scored against the following evaluation criteria.**

**Step 2: Technical Criteria – Maximum 70 points**

**Qualification and Experience (40 points) [evaluation of CV]:**

- General Qualification;
- ✓ Minimum of 10 years' experience in water infrastructure projects – a relevant multi-disciplinary background is considered useful;
- ✓ Comprehensive list of successfully completed projects;
- ✓ Experience in GIS to document the supply chains and localization of risks;
- ✓ Experience in modeling of supply chains;
- ✓ Demonstrated expert knowledge of standard practices within field of expertise, as well as applicable codes and regulations;
- ✓ Good (and demonstrated) organizing and leadership skills, preferably with development project management competency;
- ✓ Excellent and demonstrated communication, consultation, negotiation and drafting skills;
- ✓ Experience developing project ideas, and develops science-and-technology based management and policy.
- ✓ Ability dealing with and managing communication channels (mass-communication, social media).
- ✓ Strong teamwork skills and ability to work effectively independently as a consultant and gap analyzer
- ✓ Strong quantitative and statistical skills
- ✓ Demonstrated ability to proficiently and effectively guide and manage interdisciplinary teams comprised of staff with diverse backgrounds and varied skill sets

**Interview (30 points);**

The panel may select 3-5 candidates for interview, whom obtained high score depending on the number of applicants.

**\* Technical Criteria: weight 70% and Financial Criteria weight 30%**

**Only candidates obtaining a minimum of 49 points (70% of the total technical points) would be considered for the Financial Evaluation.**

**Financial proposal – Maximum 30 points**

**APPROVAL**

**This ToR is certified by:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date of Signing: \_\_\_\_\_

**This ToR is approved by:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date of Signing: \_\_\_\_\_