



**Ministry of Energy and Water Resources**

## **Request for Expression of Interest (EOI)**

**for consultant Service to Support the Water sector facility information management to develop a water management information portal.**

MOEWR/REOI/WSCF/10/005/2024

7 October 2024

## **1. Introduction**

The Ministry of Energy and Water Resources is committed to enhancing the management and accessibility of water resources through innovative technology and information systems. We seek Expressions of Interest (EOI) from qualified consultants or firms to support the Water Sector Facility in developing a comprehensive Water Management Information Portal.

## **2. Project Overview**

The Water Management Information Portal is intended to serve as a centralized platform that will:

- Consolidate water-related data from various sources.
- Provide real-time information on water resources and services.
- Support decision-making processes with reliable data analysis tools.
- Facilitate stakeholder engagement and information sharing.

## **3. Scope of Services**

The selected consultant will be expected to:

1. Conduct a needs assessment to identify the key requirements of stakeholders.
2. Design the portal structure and user interface to ensure ease of use and accessibility.
3. Develop and implement data management protocols for integrating existing water data.
4. Provide training and support for users to ensure effective utilization of the portal.
5. Develop a maintenance and sustainability plan for ongoing operation.

## **4. Eligibility Criteria**

Consultants interested in this opportunity should meet the following criteria:

- Proven experience in developing information management systems or portals, particularly in the water sector.
- Strong understanding of water management practices and data requirements.
- Expertise in data analytics and user interface design.
- Capacity to engage with various stakeholders, including governmental and non-governmental organizations.

## **5. Submission Instructions**

Interested consultants are requested to submit the following documents:

- A cover letter expressing interest in the project.
- A summary of relevant experience and qualifications.
- Proposed approach or methodology for the project.
- Any additional information that may support their expression of interest (e.g., CVs, case studies, or examples of past work).

## **6. EOI Submission Details**

Submission Deadline: 17 October 2024

Email for Submissions:

- To: [procurement@moewr.gov.so](mailto:procurement@moewr.gov.so)

- Cc: [dg@moewr.gov.so](mailto:dg@moewr.gov.so)

Subject Line:

- "EOI for Support the Water Sector Facility Information Management to Develop a Water Management Information Portal."

### **Important Notes:**

- Format: Please ensure that all submissions are formatted appropriately and include all required documentation as specified in the EOI.
- Deadline Compliance: Late submissions will not be considered, so please ensure your EOI is submitted before the deadline.

## **7. Contact Information**

For any inquiries related to this EOI, please contact:

Mohamed Abdullahi Hassan

Head of Procurement

[Procurement@moewr.gov.so](mailto:Procurement@moewr.gov.so)

+252618510906

+252615512200



Ministry of Energy and Water Resources of the Federal Republic of Somalia

TERMS OF REFERENCE

TOR

|                           |                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Title</b>              | Support the Water sector facility information management to develop a water management information portal. |
| <b>Organization unit</b>  | Ministry of Energy and Water Resources                                                                     |
| <b>Estimated duration</b> | Deliverables Based Contract over a Period of Three Months                                                  |
| <b>Duty station</b>       | Mogadishu                                                                                                  |
| <b>Travel Plans</b>       | tbd                                                                                                        |

1. Organizational Context/Background

When water is scarce – when the demand or need exceeds the supply at a given cost and quality – water management may turn into a *zero-sum* situation. That is when one actor’s gain of water is balanced by another actor’s loss of water and the total wealth remains the same. Cooperation turns difficult and conflicts can arise. Contrary to this, *positive-sum* (or also called *win-win*) water management delivers more wealth to involved partners by promoting collaboration, improved water allocation, and higher use efficiency. In a situation where water is scarce, this is obviously a sound approach to follow. The same is also true when water turns excessive – when floods are threatening or land is inundated – and water management must deliver early warnings, reduce potential damage, and share additional water for smart use during subsequent dry periods.

In order to move from *zero-sum* towards *positive-sum* (or *win-win*) water management, a shared, trusted and easily accessible source of data and information is required. It is sometimes said that such data and information is like the oil to an engine; it greases the pieces and makes them move well. Similarly, without knowing what reality looks like in terms of water, it is difficult to make sound decisions and deliver development to all.

This ToRs focuses on how to establish a comprehensive data and information management system in Somalia. Such a system includes water-related data collection, data analysis, information production, information dissemination, and the use of such information in decision

making and planning work. Four options are outlined on how to establish such a system and what each option can deliver in terms of data and information services. While the ultimate outcome is the same – water-related information is available and supports informed decision making and planning – the avenues to reach this outcome can vary over time and option. Once a functioning, demand-driven and service-focused comprehensive data and information management system (“the system”) exists, it can be recognized as a “Somalia Water Information Management System” (SWIMS).

Many countries around the globe have archives full of rarely used water data. Why that is the case can be discussed, but the answer is possibly linked to a lack of capacity to convert data into information, there is no demand for such information because planning processes are not adequately using available data and information, somehow, they run on their own, and, which is possibly not uncommon, data is power and to control its use also provides a bargaining position. These reasons, and many more, should be considered when a data and information management system is designed for Somalia.

To establish a modern and user-friendly data and information management portal in the MoEWR is a priority and It is highlighted in the new Water Resources Management Strategy (MoEWR, 2021) and its linked Roadmap, and strongly supported by the Federal Government of Somalia. It is a foundation for achieving water security (Grey and Sadoff, 2007) in Somalia.

## 2. Objectives of the consultancy

The objective of this consultancy assignment focuses on the Support the Water sector facility information management to develop a water management information portal. These objectives will be linked with data, information and knowledge. For that, three standard definitions are used in this Deliverables:

- **Data:** Facts and figures which relay something specific, but which are not organized in any way and which provides no further information regarding patterns, context, trends, etc.
- **Information:** Data that has been contextualized, categorized, calculated and condensed. Information thus paints a picture by connecting data with relevance and purpose. An example is developing an understanding of a trend in the environment, like the frequency of flood events or changes in water stress conditions;
- **Knowledge:** Knowledge is information framed into experience, values, contextual information, expert insight, and grounded intuition that provides a framework for making informed decisions. For example, knowledge is the basis for government staff to issue flood emergency warnings and advise farmers to move cattle to higher grounds.

## 3. Detailed Ta Outputs

The Consultancy who will support the Water sector facility information management to develop a water management information portal.– has to deliver on the following.

1. **The system covers all of Somalia.** It shall offer all governments (federal and state), ministries, civil society, private sector, and academic institutions relevant service, free of charge, representing good quality, and delivered based on demand/need.
2. **Compatibility.** System Information portal shall allow for the inclusion of many types of data and information sources, as well as the delivery of data and information to many types of users.
3. **System supports end-users.** Users of data and information shall be at the center of the system, what they need, not the collection of data.
4. **Connectivity matters – not the ownership of data.** Who the owner of data is or where it is stored has little importance in future systems. What matters is connectivity – that users can access trusted data and information quickly and at no costs.
5. **Openness and transparency.** A modern information portal represents data openness, transparency, and easy sharing and use. Increasingly, data and information is a public good, a resource belonging to all and feeding into national development work.
6. **National data collection.** Much data and information already exists and is available from international and regional sources, but these must be complemented by additional data. That includes conventional hydrometeorological data, but also data on water allocation and use, about other resources and activities (land, agriculture, urban development) and socioeconomic conditions.
7. **GIS-based information management.** This is at the core of the system, software that allows the incorporation, presentation, and sharing of data and information in order to facilitate planning and decision making.
8. **Hydrological modelling.** Models supported by global databases and satellite-derived information can generate accurate data on runoff, evaporation, transpiration, and groundwater recharge in basins and land areas across the country.
9. **Develop data and information Portal.** The use of water linked data and information must be promoted and supported in all sectors. New uses exist in all sectors, but has to be identified, developed, and promoted. It can take place as a demand-driven or pro-active process., involving technology development, both private and public sectors, and farmers and livestock owners in remote areas.

#### **Duration**

The activities under this contract should be completed within 3 months from the date of signature of the contract.

#### **4. Supervision and Reporting**

The Contractor will report to the MoEWR.

#### **5. Professional Experience and Qualifications**

The Consultant is expected to be a firm or an association of consulting firms with the appropriate capabilities and experience to execute the services. This assignment requires a team of international and national experts/consultants to ensure the integration of international and national best practices and standards into the study. The Consultant Team may propose additional technical experts to improve the quality of the output. The firm needs to have a track record in carrying out technical assistance and consultancy services on flood management and protection and DRM, civil engineering, hydrology, water resource management, urban development, economics, and project management, and have proven experience in planning, implementation and management of programs related to urban flood risk management, stakeholder engagement and consideration of safeguards and procurement aspects. Experience in development work in rural areas of developing countries particularly in Somalia will be an added advantage. In addition, it should have in its team the following expertise with similar years of experience:

#### **6. language requirements**

An excellent command of English is required for this assignment. The command of Somali language would be a strong asset. However, the final deliverables must be submitted in English.