

# **BEIRUT AND MOUNT LEBANON WATER ESTABLISHMENT**

## **SECOND GREATER BEIRUT WATER SUPPLY PROJECT - SGBWSP**

### **TERMS OF REFERENCE**

### **PROCUREMENT SPECIALIST**

#### **Project Background**

The proposed Project is a follow-on operation to the Greater Beirut Water Supply Project (GBWSP, P103063). In December 2010, the World Bank approved this US\$200 million investment project (Loan No. 7967) to finance the GBWSP. The financing plan included US\$140 million to be financed by the BMLWE and US\$30 million by the GoL. The GBWSP, scheduled to close on April 30, 2025, aimed to provide an additional 250,000 cubic meters of water per day in the GBML area. Its design marked the first time water would be sourced from surface water sources, specifically the Awali River, springs, and the Lake Qaraoun fed by the Litani River. The GBWSP infrastructure includes an inter-basin bulk water conveyance tunnel that feeds into a gravity-based "source to tap" water supply system to deliver a reliable, year-round supply to the Project area. The LRA operates all infrastructure along the Litani, including a series of hydropower plants and dams that the bulk water supply system relies on.

As of March 2025, most activities under the GBWSP have been completed. Key investments funded by the GBWSP have been finalized, including the excavation of a 24-kilometer bulk water conveyance tunnel, the rehabilitation of over 400 kilometers of the water supply distribution network in Greater Beirut, and the construction of 23 water reservoirs with storage capacities ranging from 500 to 1,000 cubic meters. Additional works include network rehabilitation and the installation of a Supervisory Control and Data Acquisition (SCADA) system. Due to the ongoing conflict, the construction of the water treatment plant at Wardanieh under a Design-Build-Operate contract will be well advanced (89 percent by end April), but not completed by the GBWSP's closure.

The Second Greater Beirut Water Supply Project builds on the progress already achieved under the GBWSP and on the ongoing water reform agenda while addressing emerging challenges. The SGBWSP will finance the completion of the water supply infrastructure, ensuring the achievement of the objective of bringing additional water supply to extended areas of GBML. In addition, the Project will support the necessary additions to the Wardanieh WTP to manage increased levels of pollution expected at different times of the year. A The SGBWSP will also support institutional strengthening to improve the operational and commercial performance of the BMLWE in line with the MoEW vision for the recovery of the sector outlined in the NWSS 2024-2035 and the conclusions of analytics funded by the Bank and other donors.

The SGBWSP will be executed by the Ministry of Energy and Water (MOEW) who has delegated the implementation of components 1, 4 and 5(a) to CDR. Components 2, 3 and 5(b) and (c) will be also implemented through the PMU at BMLWE.

## **Project Components**

The Second Greater Beirut Water Supply Project consists of the following six components. The total project investment cost is estimated at US\$257.8 million financed entirely by the Bank.

The Project consists of the following parts:

### **Component 1. Completing remaining Bulk Water Supply Infrastructure**

- (a) Design, construction and construction supervision of bulk water supply infrastructure, as applicable, consisting of:
  - (i) the Joun regulator structure;
  - (ii) water tunnel conveyors, including related lining;
  - (iii) inverted siphon with ventilation shafts in the Damour river; and
  - (iv) the surge shaft with surface venting at Khalde.
- (b) Design, construction and construction supervision, as applicable, of water supply transmission pipelines across Project Areas.
- (c) Design, construction and construction supervision, as applicable, of the Hadath 125, Hadath 90 and Hazmieh 90 supply reservoirs and associated interconnecting pipeline and pumping stations.
- (d) Carrying out of rehabilitation works for key Project-related infrastructure in Selected Sites under Component 1.

### **Component 2. Strengthening Treatment Processes for Improved Water Quality**

Provision of additional features to the Wardanieh water treatment plant, through:

- (a) Establishment of a daily raw water quality monitoring and an early warning system;
- (b) Supply of a Powder Activated Carbon (PAC) system including powder storage, feeder, and dosing system;
- (c) Support to the completion of works and operation of the Wardanieh WTP on an adaptative management mode;
- (d) design and installation of an optimal add-ons configuration based on results under (a) and (c);
- (e) Support to the improvement of water quality management and the BMWLE, including the rehabilitation and upgrade of BMLWE's laboratory at the Dbayeh through the expansion of existing facilities and the purchase of related equipment, and the reinforcement of chlorination practices to ensure residual chlorine in BMWLE's distribution network; and
- (f) Carrying out of rehabilitation works for key Project-related infrastructure in Selected Sites under Component 2.

### **Component 3. Reforms for improved utility operations**

- (a) Support to the Non-Revenue Water reduction in the Project Areas
- (b) Support to the modernization of BMLWE's operational and commercial management systems, through:
  - (i) Reinforcement of Information and Communication Technology (ICT) infrastructure, including inter alia, carrying out of audit of IT facilities, implementation of cyber security improvements, changes to the current operational technology network;
  - (ii) reactivation of the Supervisory Control and Data Acquisition (SCADA), including inter alia, integration of existing DMAs to the system, installation of solar panels in the Project Areas;
  - (iii) carrying out of a fixed asset inventory, including classification and reclassification, to be integrated in the BMLWE's existing enterprise resource planning (ERP) software;
  - (iv) Support to the carrying out of a census to update BMLWE's customer cadaster and to identify commercial losses;
  - (v) improvement of customer management and internal processes, including, inter alia, migration of billing and collection system to the BMLWE's ERP software, integration of ERP data with geographical information system, digitalization of paper processes, supporting the digitalization of the call center;
  - (vi) support to the implementation of the BMLWE's Entity Audit; and
- (c) Support to the development and implementation of the BMLWE's communications strategy; and implementation of semi-annual public awareness campaigns to raise public and stakeholder awareness of BMLWE operations and of critical water-related issues, including inter alia on, water quality, water conservation and NRW reduction.

### **Component 4: Land Acquisition and Resettlement Compensation**

Implementation of the Resettlement Action Plan, including, inter alia, providing Resettlement Assistance to Project-affected Persons.

### **Component 5: Project Management and Capacity Building**

- (a) Establishment and operation of the CDR-PMU, including the financing of Operating Costs.
- (b) (i) Establishment and operation of the BMLWE-PMU, including the financing of Operating Costs; capacity building, technical assistance; (ii) carrying out as well as monitoring and evaluation of an apprenticeship program; and (iii) strengthening BMLWE's capacity on utility-related technical skills and on-the-job experience, financing of consultants' services for the BMLWE entity audits.

### **Component 6: Contingent Emergency Response**

Provision of immediate response to an Eligible Crisis or Emergency, as needed.

## **Scope of Work and Responsibilities**

The responsibilities of the Procurement Specialist include carrying out procurement contracts and technical assistance activities in accordance with the provisions of the World Bank Loan Agreement. Specifically, the Procurement Specialist will:

- Initiate, coordinate, prepare and update Procurement Plans (PPs) for all procurement as needed.
- Prepare bidding documents for the procurement of works, goods, and services in accordance with activities defined in the procurement plan of the SGBWSP project in collaboration with the Project Coordinator;
- Coordinate and respond to procurement queries, disputes, and complaints.
- Prepare Requests for No-objection from the World Bank for key stages of procurement activities as required by Bank Regulations
- Provide contract management oversight for Goods, Works and Consultancy Services Contracts.
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- Organize the necessary bid advertising, preparation of shortlists, and issuance of letters of invitations;
- Receive, opening, and evaluating bids and proposals;
- Draft and preparing contracts for signature;
- Ensure reliable recording and archiving of all contracts, contract amendments, and related correspondence; and
- Support the bid evaluation committees and prepare Bid/Proposal Evaluation Reports and Award Recommendations for approval by the Procurement Committee.
- Building capacity as needed, to ensure that all staff involved in procurement-related activities (i.e. evaluation committee members, technical teams preparing the requirements, etc.) are familiar with relevant standards and requirements of the World Bank procurement regulations.
- Coordinate with the procurement staff of the World Bank task team on a regular basis on all procurement issues.
- Managing the day-to day Contracts to ensure their effective and timely implementation
- Transact through STEP all procurement activities.

### **1) Key Qualifications & Experiences**

#### **Qualifications**

- At least Master's degree with a major in relevant discipline (e.g. Engineering, Law, Procurement, Finance, Business and Commerce.)

#### **Experience**

- A minimum of at least 8 years of direct relevant experience including expertise in the management of procurement in the public sector.

- Minimum of at least 5 years of experience in implementing procurement actions according to international organizations guidelines/Regulations such as the World Bank or any multilateral development organization for complex procurement of goods, services, and works.
- Excellent computer skills for Microsoft Office tools (Word, Excel, and PowerPoint) and Internet use.
- Fluency in English is must.
- Excellent written and oral communication skills.
- High-level interpersonal and relationship-building skills.

### **Duration of Assignment**

The initial contract duration is 12 months, renewable based on performance and project requirements.

### **Deliverables**

Monthly attendance time sheet.

Submission of monthly progress reports outlining procurement activities implementation and compliance including an updated procurement plan and detailed Contract management.

Both documents shall be submitted to the Project Manager/Coordinator at the PMU-BMLWE within 7 days from the end of the month with the relevant invoice.

### **Location**

The position will be based at the BMLWE Offices, with occasional field visits as required.