

**State of Palestine
Palestinian Water Authority**

Request for CV of Individual Consultant

Project name: Update standards for Treated Wastewater Reuse and Draft Blended Water Use and conduct stakeholder consultations to ensure broad support and compliance.

Under the regional project

Water and Environment Support - Biodiversity and Climate Action (WES-BCA) in the ENI Neighbourhood South Region" project

August- 14-2025



1.1 INTRODUCTION TO THE PROJECT

The "Water and Environment Support - Biodiversity and Climate Action (WES-BCA) in the ENI Neighbourhood South Region" project is a regional project funded by the European Union. Implemented in eight Countries in North Africa and the Middle East, WES-BCA aims to improve the protection of the environment, the restoration of biodiversity and the management of scarce water resources, while enhancing the resilience to climate change in the Mediterranean region, strengthening the formulation and enforcement of the relevant policies of the Partner Countries and the two regional political frameworks, namely the Union for the Mediterranean (UfM) and the Barcelona Convention.

The project will build on the experience and achievements of its predecessor projects (WES, SWIM-H2020 SM, SWIM SM, Horizon 2020 CB/MEP) and provide continuity, further integrating new elements and institutional, scientific and technical developments. The "integration" concept will be coupled with regional exchanges of good practices and lessons learned (regional activities) and the adapted, more focused, continuation of the WES work at the national level (country-specific activities).

1.2 GENERAL BACKGROUND OF THE ACTIVITY

Palestine is among the most water-scarce regions in the world, facing chronic deficits that constrain agricultural production, limit economic development, and pose risks to public health and environmental sustainability. In response, the Palestinian Water Authority (PWA), as the national entity responsible for the regulation and management of water resources, has prioritized the strategic expansion of non-conventional water resources, especially Treated Wastewater (TWW), as a cornerstone of its long-term water security strategy.

The reuse of treated wastewater is already integrated into national water and agricultural planning frameworks. Nineteen medium- and large-scale wastewater treatment plants (WWTPs) are operational, with several others—such as North East Ramallah, Ein Jariut, and Tulkarem WWTPs—in design or under construction (Nablus East and Hebron WWTP). These facilities are increasingly designed with integrated reuse components. However, the existing technical standards and guidelines, particularly those governing TWW reuse in agriculture (last updated in 2012), and the Palestinian Treated Wastewater Specification, (PS) 742-2015 and all related technical instructions require comprehensive revision to reflect advances in treatment technologies, new reuse applications (e.g., irrigation, recreation, industry, landscaping,....), and evolving international best practices.

Additionally, there is a pressing need to develop pioneering standards for blended water—the mixture of treated wastewater with stormwater, runoff, or spring water. This practice is gaining importance in the West Bank, especially in areas like the proposed Jesr Al-Malaqy Dam catchment, where blending is being considered to optimize water quality for multiple uses. However, the absence of national technical standards for blended water presents regulatory, operational, and public health risks.

This activity is therefore designed to respond to two core national needs: (1) the revision and updating of technical standards and specifications and related instructions for TWW reuse across multiple sectors (agriculture, industry, landscape irrigation); and (2) the development of new standards for blended water, including blending ratios, monitoring regimes, and institutional responsibilities. The activity supports the implementation of Palestine's updated Water Policy and Strategy (2022–2042) and the Agricultural Sector



Strategy (2025–2027), and contributes directly to enhancing water reuse governance, improving safety and performance, and increasing stakeholder ownership and compliance.

This activity is aligned with Topic 5: Climate Change Mitigation and Adaptation, with a focus on Water Scarcity and Biodiversity Protection. Specifically, it contributes to Sub-Topic 5.1: Promoting the Use of Non-Conventional Water Resources (NCWR). It is also strongly connected to Topic 3: Water-Energy-Food-Ecosystems (WEFE) Nexus and Topic 4: Water Efficiency, reflecting the cross-sectoral nature of treated wastewater reuse (TWWR) and blended water applications.

In addition, the activity supports the following horizontal linkages:

- Promotion of Circular and Green Economy
- Improvement of Environmental Governance
- Legal and Regulatory Framework Development
- Dissemination of Information and Knowledge Sharing

These Terms of Reference (ToR) present the tasks proposed in this activity.

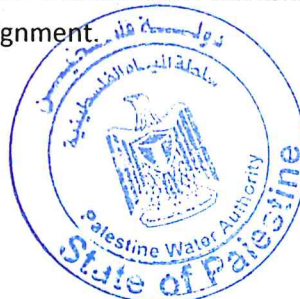
2 OBJECTIVES

2.1 AIM AND OBJECTIVE(S)

The general objective of this activity is to support Palestine in improving the safe and sustainable use of non-conventional water resources by updating the national standard for treated wastewater reuse (TWWR) and developing a new draft standard for blended water use, in alignment with international good practices and national strategic priorities.

Specific Objectives

- Review existing national standards, draft specifications, and related technical regulations on treated wastewater reuse (TWWR) and identify key gaps, overlaps, and areas for improvement.
- Update and align the TWWR standard with international benchmarks (e.g., EU Regulation 2020/741, WHO Guidelines and neighbouring countries including, where feasible, considerations for emerging pollutants of concern (EpoC), while ensuring adaptation to local conditions, implementation capacities, and reuse applications.
- Provide recommendations for aligning related technical regulations with the updated standard and identify potential follow-up actions that could support future implementation and piloting.
- Develop a draft standard for blended water use, including quality parameters, blending ratios, usage protocols, monitoring and storage provisions, and institutional responsibilities.
- Facilitate structured consultations with the Environmental Committee under the Palestinian Standards Institute (PSI) and organise a stakeholder workshop to validate the revised/developed drafts and promote institutional alignment.



In order to achieve the above objectives, the WES-BCA project is planning to use the knowledge and services of LDK Consultants SA (hereinafter referred to as the Consultant). All the subtasks assigned to the Consultants will be undertaken in consultation with the key experts of the WES-BCA project and PWA experts.

You can find More technical and information details in attached TOR

Contracts Type: This consultancy is working days-based contract and all tasks assigned to the Consultants will be undertaken in consultation with the key experts of the WES-BCA project and PWA experts.

2.2 LEVEL OF EFFORT (LOE)

The **total** input of the Consultants for all Consortium Members (International expert and Local expert) is expected to be in the order of **56 expert days**; The expert days (On-site and at the Experts' Home Base) is about 19.5 working days (more details are presented in the attached ToR)

Name of Institution: Palestinian Water Authority

Contact person's First Name: Rehab

Contact person's Last Name: Thaher

Title and position: Strategic Planning / Director

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2.3 COMMENCEMENT DATE AND TIME

The implementation will be carried out in agreement with the Contracting Authority for a period of Eleven months from the signature of the contract, tentatively between September 2025 to July 2026.

In order to evaluate the most suitable candidate on the same evaluation basis, we invite you to submit your Curriculum Vitae (CV). The CV will be sent to the following address before the following date 20/08/2025 at 15:00 hours' time precisely. Late CV will be rejected.

Address for Submission:

Palestinian Water Authority

Procurement Unit/ sixth floor

Attn: Raed Sawaftah, Head of Procurement Unit

Al Masayef, Ramallah, West Bank

Tel: 00970 2 2987665, Mobile: 0599 814 065, Fax: 00970 2 2987336

E-mail: raed_sf@yahoo.com



3 REQUIREMENTS

3.1 PERSONNEL

Non-Key Experts (NKEs) should have the following skills:

NKE2: Local Expert - Water Quality and Institutional Liaison Expert

- University degree in environmental sciences, water engineering, or a related discipline.
- At least 15 years of professional experience in the Palestinian water sector, preferably in areas such as treated wastewater reuse, environmental standards, or water quality monitoring.
- Good understanding of national institutions involved in water governance and standardisation (e.g. PWA, PSI, MoA, MoH, MoLG).
- Experience supporting regulatory development, stakeholder consultations, or technical working groups at the national level.
- Strong ability to gather and review local data, interpret regulatory texts, and coordinate with institutions.
- Excellent communication skills and ability to support the international expert with contextual inputs and technical drafting.
- Proficiency in Arabic and English is required.

the individual consultant will be chosen on the following criteria :

CRITERIA QUOTATION

a) General qualifications (studies – diplomas) /20

b) Adequacy for the Project/Assignment /50

c) Relevant experience /30

Total : 100

You will be informed of the results of the evaluation 15 days after the due date of the CV deposit precedently indicated.

Attachment

1 - ToR

2- CV Template

