

Terms of Reference

For the Installation of a Water Metering Network in the Green Spaces of the Municipality of Aglantzia, Cyprus

In the framework of the “Mission Water Cyprus: Blue for Green” project

Funded by The Coca-Cola Foundation

1. Background

1.1. The “Mission Water Cyprus: Blue for Green” Project

Cyprus is a highly water-stressed EU country, with extreme climatic phenomena like droughts historically lasting 2-3 consecutive years, and currently increasing in magnitude and frequency. With water challenges mounting due, for example, to population growth, economic development, changing consumption patterns and climate change impacts, the country is pioneering policy and technical responses towards water security. Water-related priorities in the National Adaptation Strategy and Plan (2017) include maintenance/repair of water distribution networks; control of water-demanding activities in water-stressed areas; water efficiency increase in urban, agriculture and industrial uses, including wide utilization of nonconventional water resources (NCWR). Furthermore, increasing and conserving urban and peri-urban green spaces is a priority at the national and municipal level, which helps preserve natural capital in areas under developmental pressures, constitutes a key response to climate change impacts, and provides recreational options. Public awareness and education rank high as key contributors for achieving sustainable development. The national and local authorities as well as stakeholders, including civil society and the private sector, are engaged in related action. Given the magnitude of challenges faced, and limitations in related public investments (e.g. for infrastructure works) and private spending (e.g. related to installing or upgrading water efficiency systems) due to the financial crisis and the severe economic impacts of the COVID-19 pandemic in the local economy, there is an urgent need for tangible actions towards meeting needs, both for their practical contribution at the local level, as well as a trigger towards greater nationwide commitment and action.

Since 2013, GWP-Med, the Coca-Cola Foundation and system, and national and local partners in Cyprus have, through the Mission Water Programme, contributed to water efficiency and related authorities’ and stakeholders’ engagement objectives through local technical interventions of demonstration content and awareness raising activities, contributing to national and local priorities and plans. Within these, 19 technical interventions have materialized, yielding an annual water volume of 40 million liters, directly benefitting more than 83,000 people in the country.

Building on global and Mediterranean best practices and responding to national political priorities and local operational plans, the proposed ‘Mission Water Cyprus: blue for green’ Project aims at increasing water efficiency and utilising replenished water in support of municipal green spaces

in Cyprus, contributing to water security and climate change adaptation. The Programme is funded by The Coca-Cola Foundation and is supported by the Coca-Cola System in Greece and Cyprus.

The Project will (i) apply NCWR technical solutions in a smart-city context, like greywater reuse, rainwater harvesting (RWH), information & communication technologies (ICT) for smart watering, water efficiency applications, etc., for replenishing and reusing water for non-potable uses, exploiting these saved resources for watering and increasing vegetation in public urban/peri-urban green spaces; and, (ii) raise inhabitants', visitors' and the general public's awareness on the importance of conserving municipal green spaces, with an emphasis on the role of water resources needed to achieve this, making a valid and up-to-date contribution towards a new 'water culture'.

Interventions would be implemented in the Municipality of Aglantzia.

2. Description of the Assignment

2.1. Objective

The objective of the assignment is the installation of a water metering network in the green spaces of the Municipality of Aglantzia, Cyprus.

The purpose of the water metering network is to offer the Municipality of Aglantzia the opportunity to monitor and manage the water used for the irrigation of the green spaces.

2.2. Requested Services

The water metering network consists of the following components:

- The supply, delivery and installation of up to 25 water meters with GPRS technology (including the supporting components, e.g. controllers, etc.) at various green spaces and parks in the Municipality of Aglantzia.
- The supply and setting up of an online platform to monitor the water meters to be installed. The platform should include a 5-year subscription.
- The training of the personnel of the technical service of the Municipality of Aglantzia on the use of the online platform.

2.3. Deliverables

A/A	Service / Task	Quantity
A. Water Metering Network		
A1	Supply of water meters with GPRS technology with all the necessary components for the network of water meters to be delivered functional. <ul style="list-style-type: none"> • Battery powered • GPRS module can be either integrated onto the water meter or separated • DN25 (1") Multi-Jet water meter, Q3=6.3 m³/h 	25 pcs

	<ul style="list-style-type: none"> mechanical indicators (in addition to digital) Data transmission frequency: 1 time per day or more 	
A2	Installation of the water meters in the green spaces (including the necessary connection parts) – See Annex	25 pcs
A3	Supply of concrete water meter box (if necessary)	25 pcs
A4	Placement of the concrete water meter box (if necessary)	25 pcs
B. Online Platform		
B1	Setting up an online platform to monitor the water meters to be installed.	1
B2	Subscription fee of the online platform.	5 years
B3	Training session to the personnel of the technical service of the Municipality of Aglantzia on the use of the online platform.	1
B4	Manual on the use of the online platform	1
C. Report		
C1	Report on the work performed including photographs before and after the installation of the water meters.	1

This tender is not divided into lots, and tenders must be for the study / report indicated.

The suggested by the Municipality locations of the installation of the water meters are presented in the Annex.

The contact person at the Municipality of Aglantzia is Mr. Yiangos Yiangou, yangos.yiangou@aglantzia.org.cy and Mr. Christos Tsikkouras christos251010@gmail.com.

2.4. Assignment Outputs

The installation and delivery of a water metering network at the green spaces of the Municipality of Aglantzia (including the internet platform) for the monitoring and management of the water used for the irrigation of the green spaces.

2.5. Obligations

During the construction phase of the project, the following obligations are put into force:

- The installations will be outdoors. Thus, all the materials should be selected based on this context.
- Storage of materials, even temporary, at the construction area is prohibited.
- Pictures of the work progress should be collected and sent to GWP-Med.
- A final list of materials and equipment to be sent to GWP-Med.

2.6. Health and Safety Precautions

Responsibility for all aspects concerning health and safety issues for the duration of this project is vested entirely in the contractor entrusted to do this job, who will exercise all control over operations, materials, his employees, and all other factors respecting health and safety norms.

2.7. Reporting line

The awarded contractor will communicate directly with Dr. Nikos Skondras, Senior Program Officer at GWP-Med (Contracting Authority).

Additionally, the awarded contractor will consult with and work under the direct supervision of the technical representatives of the Municipality of Aglantzia (Supervising Authority).

2.8. Monitoring and Progress Controls

Dr Nikos Skondras, Senior Programme Officer at GWP-Med, and Mr. Charalampos Lappas, Programme Officer at GWP-Med, will be providing oversight and guidance from the side of the Project Team. Coordination calls between the consultant and the Project Team will be held at weekly basis, to monitor the progress of the assigned services.

Services will be rendered and will be considered completed upon approval of the deliverables by the Project Coordinator and the GWP-MED Executive Secretary.

3. Duration of the Contract

Delivery of the works should be completed by 07/04/2023

The overall duration of the contract will be maximum by 30/04/2023.

The date of the commencement of the contract execution shall be the last signing of the contract.

4. Contract Price, Schedule of Payments

The maximum fee for this assignment is **35,000 EUR**. This amount includes all other costs, income taxes and any other amount payable or cost that may be required for the completion of the work/service, **including VAT**.

The schedule of payments is as follows:

- 20% payment upon completion of the water meters installation in eight (8) parks, total eight (8) of the 25 parks completed (written approval by the Municipality, of the works performed).
- 20% payment upon completion of the water meters installation in eight (8) parks, total sixteen (16) of the twenty-five (25) parks completed (written approval by the Municipality, of the works performed).
- 60% payment upon satisfactory completion of the works and services (written acceptance by the Municipality, of the works performed).

5. Guarantee

The awarded contractor will provide a Guarantee on all equipment for a minimum period of 12 months against faulty workmanship and materials and on the operation of the system as a whole. If during this period any parts or equipment have to be changed (due to faulty workmanship and not due to the selected operation conditions), the guarantee on that part is to be renewed for

another year from date of replacement. The initial guarantee as well as the replacement guarantee include the equipment cost (transfer, labour cost, taxes, insurance etc.).

In the event that there are delays in the execution of the contract the awarded contractor shall be liable to pay compensation in the form of a penalty. The amount of the flat rate compensation per day of delay (penalty) shall be of 1% of the net contract value per week up to a limit of 10% of the total contract value. For the calculation of penalties, the number of days of delays shall be converted into weeks by rounding down to the nearest week.

The awarded contractor agrees to submit to the Contracting Authority one Performance Guarantee accounting to 5% of the contract value.

The successful participant shall, within ten (10) calendar days of the receipt of the contract, sign and date the contract and return it together with a copy of the Performance Guarantee. Any Performance Guarantee issuance expenses bear's the successful participant.

The Performance Guarantee shall be released after the completion of three (3) months from the written acceptance of the works performed by the Municipality of Aglantzia.

The Contracting Authority will not affect any payment to the Contractor until the Performance Guarantees have been submitted.

6. Selection Criteria (Pass / Fail)

Successful participants must provide the following documents:

A. Technical Offer:

- Proof of enrolment in one of the official professional or trade registries at the country of registration.
- License to perform works in Cyprus.
- Provide a statement of adequate resources to perform the requested tasks.
- Provide a statement of understanding the requested objective, services and deliverables.
- Provide a Graphic Works Schedule - Program of Works in the form of a Gantt Chart.
- Provide the datasheet of the offered equipment.
- A signed statement certifying that the offered equipment is new and unused.
- CE certificate or equivalent for the water meters.
- A warranty for good operation for at least 1 year for the offered water meters.
- Have minimum five (5) years of experience in related installations (registration date and company profile).
- Have minimum five (5) years of experience with related equipment / GPSR meters (registration date and company profile).

B. Financial Offer (Annex 2)

Failure to provide the minimum required qualifications is considered ground for disqualification.

7. Awarding Criterion and Evaluation Process

Award criterion is the Most Economically Advantageous offer with criterion the lowest price for the offers satisfying the technical requirements as described in the attached document.

8. Submission of Offers

Please refer to the **Call for Offers Document** for the proper submission of the Technical and Financial Offer.

9. Site Visit

The applicants are encouraged to visit the construction site and send their queries to GWP-Med at procurement@gwpmed.org.

The contact person at the Municipality of Aglantzia is Mr. Yiangos Yiangou, yangos.yiangou@aglantzia.org.cy and Mr. Christos Tsikkouras christos251010@gmail.com.

ANNEX – Sites of Installation

The requested water meters will be installed in 25 of the following 29 parks. The extra 4 parks are provided as spare options.

A/A	Name	Location
1	Park at Paraskevaïdis – Piliou Str.	Paraskevaïdis – Piliou Str.
2	Park at Rodou Str.	Rodou Str.
3	Park at Kykladon Str.	Kykladon Str.
4	Park at Galinis Str.	Galinis Str.
5	Park at G. Yiangou Str.	G. Yiangou Str.
6	Park at Pilidis Str.	Park at Pilidis Str.
7	Park at Lieutenant General A. Irakleous Str.	Lieutenant General A. Irakleous Str.
8	Park at Adamou Christofi Str.	Adamou Christofi Str.
9	Park at Filias Str.	Filias Str.
10	Park at Dragoumi Str.	Dragoumi Str.
11	Park at Kefallinias – Thivon Str.	Kefallinias – Thivon Str.
12	Park of Fallen and Missing of Agustina	Ivis Str.
13	14 th of August 2015 Air Crash Memorial Park	Apostolos Andreas A' Str.
14	Park at Artemidos – Parthenonos Str (behind the 3 rd Primary School)	Artemidos – Parthenonos Str (behind the 3 rd Primary School)
15	Park at Terpsihoris A' Str.	Terpsihoris A' Str.
16	Park of Fallen Policemen	Akadimias Ave. – Karaiskakis Str.
17	Tassos Papadopoulos Park	Acharnon Str.
18	Park at Stelios Massiinis Str.	Stelios Massiinis Str.
19	Park of Aromatic Plants	Tamarou Str.
20	Park at Antonis Samarakis Str.	Antonis Samarakis Str.
21	Green space at Metsovou Str.	Metsovou Str.
22	Green space at Kostas Montis Str.	Kostas Montis Str.
23	Green space Protomagias Str.	Protomagias Str.
24	Green space at Syggros Str.	Syggros Str.
25	Green space at Kentavros A' Str.	Kentavros A' Str.
26	Green space at Kentavros B' Str.	Kentavros B' Str.
27	Green space at Arkadias Str.	Arkadias Str.
28	Green space at Arachomas Str.	Arachomas Str.
29	Green space at Mikis Fyrillas Str.	Mikis Fyrillas Str.