

REFERENCE NUMBER:

PG/OPS 784/25



**TITLE: RFQ FOR THE SUPPLY, DELIVERY AND
INSTALLATION OF IP CCTV SYSTEM FOR
READING GARDEN, SIGGIEWI**

Date Published:

1st December 2025

Site Visit:

N/A

N/A

Deadline for Submission of Offers:

8th December 2025

at 23:45 hrs CEST

Project Green

Avenue 77, Triq Negozju, Zone 3
Central Business District, Birkirkara CBD3010
<https://projectgreen.mt>

Section 1: Instructions to Economic Operators

- 1.1 Response to this RfQ is to be submitted by email on the following email address:
Procurement.pg@projectgreen.mt
- 1.2 All submissions will be dealt with in strictest confidence.
- 1.3 Participation Fee is Free.

Note: The Contracting Authority shall reserve the right to accept or reject offers exceeding €5,000 exclusive of VAT.

Section 2: General Information

2.1 Purpose

The purpose of this RfQ is the Supply, delivery and installation of IP CCTV System for Reading Garden, Siggiewi.

2.2 Scope and Terms & Conditions

Works are to be carried out at Project Green Reading Garden in Siggiewi. The material is to be supplied and works are to be carried out in accordance with the technical specifications forming part of this RFQ.

The Contractor shall be subject to a penalty for delay of €50 per day inclusive of Saturdays, Sundays and Public Holidays for any delays over the period of performance stated above. The Contracting Authority reserves the right to terminate the contract without notice when the penalties reach a value amounting to 30% of the contract price.

2.3 Specifications

- 2.3.1 Project Green is seeking to enhance its security system across the site by installing a closed-circuit television network across the garden. This shall be done across six (6) strategic locations within Ġnien Fr Nicholas Cachia, Siggiewi whereby each location can be remotely accessed by Project Green when and if necessary.

Technical Specifications IP CCTV System:

2.3.2 General

The system shall consist of IP-based solar-powered CCTV cameras. Traditional analogue cameras or IP cameras requiring PoE or wired infrastructure are not acceptable. The system shall include outdoor camera types where applicable and shall integrate seamlessly with any existing CCTV infrastructure, allowing unified management through a single software platform.

Solar-powered CCTV cameras shall be installed on the existing galvanised steel poles, which have a diameter of 60 mm. The contractor shall ensure that all mounting brackets, fittings, and accessories are compatible with the specified pole diameter and that the installation is carried out securely and in accordance with the manufacturer's requirements.

The CCTV system shall have the following setup:

- **Solar-powered cameras** with integrated **battery backup** for continuous operation.
- Centralized **software platform**, including all necessary licenses as a one-time purchase and remote access stations.
- Support for **live and recorded video access** via iOS and Android mobile applications and dedicated **software clients** on Windows and macOS systems.

The entire system shall be accessible remotely via the internet or local network. The Contractor shall supply a fully functional, stable system with all required hardware and software, ensuring smooth performance even under full load or adverse conditions. All necessary mounting hardware, including brackets, shall be included. the SD Card storage, and 4G SIMs for Connectivity, will be supplied by the Contracting Authority. Cameras shall be installed as indicated in the Drawings and shall be connected via secured, certified wireless or cellular connections using integrated data SIM cards.

Dome or Bullet Type (as applicable)

2.3.3

These shall have the following minimum features:

- Resolution minimum 4MP Full HD or higher, recording at 12 FPS or higher
- Approx 1/3" image sensor with fixed focal lens offering a field of view wider than 90° (if applicable)
- Minimum 20-meter IR lens range (not for 360° cameras) with 0 lux operation using IR
- Powered via solar panel with an integrated backup battery
- Cameras shall include integrated 4G (or better) data SIM card support for wireless communication and remote access
- Smart Features:
 - o AI-based human detection with event bookmarking for efficient review
 - o Auto Backlight Compensation
 - o Auto Exposure
 - o Day / Night Switching
 - o Wide Dynamic Range (WDR): Minimum 102 dB typical, 120 dB maximum
- Additional features:
 - o CCTVs should be GDPR compliant
- Durability:
 - o Weatherproof with minimum IP66 rating
- Must be ONVIF-M/S/T/G compliant
- Supports min H.264 and H.265 compression formats.

- Support for main and sub-streams.
- Onboard microSD card storage capable of retaining footage for at least 10 days
- Appropriate factory manufactured bracket to obtain suitable viewing angle and mounting, any outdoor cameras to use factory manufactured brackets and backboxes. No direct mounting to wall/ceiling with junction below camera will be allowed.
- Operating temperature -20° to 60°C

Software

2.3.4

The system shall be supplied complete with license free (or license paid) software (free of any on-going yearly subscription fees). The software for the main monitoring station, and for other remote stations shall be supplied with the system (up to four (4) remote system). The software (single and not multiple copies of the software installed on one system) shall be suitable to handle all the cameras at once.

The system & the software shall have the following minimum features:

- Use English as main language.
- Monitoring and recoding all cameras simultaneously.
- Allow playback whilst still background recording.
- Passwords with min three (3) hierarchy levels, allowing certain users limited rights (e.g. No deletions allowed, no settings editing, no recording of recorded images, no recorded images playback, some camera masking, access to some particular cameras only etc.)
- Make log files of events made, alarms raised etc.
- Setting up of motion detection areas for each camera using a screen grid
- Pop up notifications for motion detection
- Record on SD card.
- Display 1, 4, 8, & 16 cameras on display with auto scrolling to display all cameras at adjustable time periods.
- Indicate camera is recording.
- Trigger alarm in case camera is tampered with or signal is lost.
- Allow soft- PTZ of all cameras (optional).
- Allow full control of PTZ cameras including manual PTZ, touring mode by timetable(optional).
- Allow camera labelling using alphanumeric characters.
- Recording in the following modes: Snapshot, event (with pre and post alarm recording, continuous, history recording (continuous recording at a low frame rate whilst in motion detection recording at high frame rate
- Image search using date and time.
- Allow minimum of five (5) pre-set scenes
- Monitoring at local control rooms may be restricted to operation of certain cameras only & system administrator should be able to configure the system, accordingly. More than one local control rooms may be required in the proposed system with individual configuration.
- The system shall have a feature which gives priority viewing to cameras with motion being detected. Any faults etc must be reported on the viewing monitors.

- The software should be able to control all cameras i.e., PTZ control, Iris control, auto / manual focus, and colour balance of camera, Selection of pre-sets, Video tour selection etc.
- The software is required to generate reports of stored device configuration. The control software is required to provide alarm and alarm log. The log shall be able to be achieved, printed, and displayed using a device filter, a device group filter and/or a time window.
- The system shall provide User activity log (audit trail) with user id, time stamp, and action performed, etc.
- The administrator should be able to add, edit & delete users with rights. It shall be possible to view ability / rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.
- It should provide programmable motion detection and recording, to be defined area wise. System must be able to support video motion detection algorithms to detect and track objects, Learn the scene, adapt to a changing outdoor environment, ignore environmental changes including rain, hail, wind, swaying trees, and gradual light changes.
- Data erasure functionality is required for GDPR compliance.
- The Contractor needs to sign a Data Processing Agreement and provide it as part of the documents once contract is awarded.

The Contracting Authority shall reserve the right to ask for use and setting up of all software and system capabilities even if these exceed the above minimum requirements. This will be at no extra charge to the Contracting Authority.

Further to the above, the system shall support an android or OS app to allow full live and playback remotely on a mobile device.

Solar Panels

2.3.5

- Type: Monocrystalline or Polycrystalline
- Power Output: Panel power shall depend on the system requirements, number of connected cameras, etc.
- Efficiency: 15% - 22%
- Dimensions: Varies based on wattage and efficiency
- Mounting: Adjustable mounts for optimal sun exposure

Charge Controller

2.3.5

- Type: MPPT (Maximum Power Point Tracking) or PWM (Pulse Width Modulation)
- Voltage: Compatible with 12V, 24V, or 48V systems
- Current Rating: Should match the solar panel output (e.g., 10A, 20A, 30A)
- Protection: Overcharge, over-discharge, and short-circuit protection

Battery Storage

2.3.6

- Type: Deep Cycle Lead Acid, AGM, Gel, or Lithium-ion
- Capacity: Sufficient to power the system for 2-3 days without sunlight (measured in amp-hours, e.g., 100Ah, 200Ah)
- Voltage: 12V, 24V, or 48V depending on the system configuration

- Cycle Life: At least 1000 cycles at 50% depth of discharge (DoD)

Power Management System

2.3.7

- Inverter: Converts DC to AC, if necessary, with efficiency of 90% or higher
- Voltage Regulation: Ensures consistent power supply to the cameras
- Surge Protection: Protects the system from voltage spikes

Drawings, Manuals, Commissioning, Testing and Training

2.3.8

- Upon completion of the installation, the whole CCTV system must be tested and commissioned.
- The Contracting Authority must be given adequate notice in writing (minimum fifteen days in advance) regarding the testing so that they can witness the tests. Commissioning shall be done in various stages as necessary and practical. The Contractor must liaise with the CA Supervisor and/or representative for the final tune up of the view angles.
- The Contractor must leave all systems with focused and clean lenses.
- The Contractor must also allow up to at least one (1) hour of training sessions to the Contracting Authority's staff.

Wiring

2.3.9

Any wiring shall be as approved and recommended by the manufacturer of the CCTV system manufacturer. All patch leads, connectors etc. required shall be considered as included. No exposed wiring is acceptable and must be protected using PVC coated flexible metal conduit, rigid PVC conduit or galv. metal conduit. All cable jointing or terminations must be made within watertight enclosures.

The Contractor shall submit a copy of the datasheet of the CCTVs being quoted along with the quote submitted.

2.4 Execution Period

- 2.4.1 The time-limit for the execution of the contract shall be four (4) weeks from the date of the Purchase Order.

Section 3 Financial Offer

3.1 Financial Offer

The Economic Operator shall fill-in and submit their offer by filling the Form marked as '[Financial Bid Form](#)'. The Contracting Authority reserves the right to disqualify bidders who fail to submit or provide all the requested information requested in the '[Financial Bid Form](#)'.

Economic Operators must quote all components of the price inclusive of taxes/charges, customs and import duties and any discounts BUT excluding VAT. VAT shall be paid in accordance with the current VAT regulations.

3.2 **Criteria for Award**

- 3.2.1 The sole award criterion will be the price. The contract will be awarded to the bidder submitting the cheapest priced offer satisfying the requested administrative and technical criteria.

The Contracting Authority reserves the right to accept or reject financial offers exceeding the estimated procurement value based on the current market rates.

The Contracting Authority reserves the right to disqualify offers received late even though they might be technically and financially compliant (please refer to the cover page of this RfQ for the respective deadlines).

Furthermore, the Contracting Authority reserves the right to refuse or cancel this RfQ, in part or in full, at its discretion without any obligation.

3.3 **Clarification meeting / Site-visit**

- 3.3.1 No Clarification meeting/site visit will be held.

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