

REFERENCE NUMBER:

PG/IT 206/26



**TITLE: SUPPLY AND INSTALLATION OF SOLAR CCTV
FOR ĠNIEN GĦARRAM, HAŻ=ŻEBBUĠ**

Date Published:

11th March 2026

Site Visit:

N/A

N/A

Deadline for Submission of Offers:

18th March 2026

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 and installation of one (1) Solar CCTV Camera for Ġnien Gharram, Haż-Żebbuġ.**

2.2 Scope and Terms & Conditions

Supplies shall be installed by latest the 3rd Week of May 2026, at **Ġnien Gharram, Triq Luret Cutajar, Haż-Żebbuġ.** The material is to be supplied 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 The Solar-Powered IP Cameras shall be of the bullet type and are to be placed outdoors (affixed to the top of poles in areas of importance).
- 2.3.2 The cameras shall monitor Ġnien Gharram in Haż-Żebbuġ.
- 2.3.3 The following technical specifications are being requested:
- Resolution: 4MP or better (2560 x 1440 or higher)
 - Ingress: IP66 or higher
 - Day / Night capability: Integrated IR illumination with minimum 30m range
 - Lens: Motorised, variable focus (2.8 - 12mm), wide view
 - Horizontal Field of View: 90° or higher
 - Wide Dynamic Range (WDR): Minimum 120 dB
 - Compression: H.264 and H.265 standards
 - Audio: Integrated microphone with recording capability, sampling rate up to 48 kHz
 - Noise reduction: Supported

- Focus: Smart Focus and Auto focusing during / night transitions
- Motion Detection with support alarm triggering for humans and vehicles
- Housing: Metal, vandal-proof
- Operating Temperature: -20°C to 50°C
- Signal-to-noise ratio (SNR): 52 dB or higher
- Power: Battery charging voltage does not exceed 13V
- Configuration: Addressable and configurable via secure client software (wired or wireless)
- Security: Password protection, 802.1x, HTTPS authentication, IP address filtering, ONVIF-M/S/T/G support
- Connectivity: 4G or better with built-in SIM slot
- Storage: Built-in memory card slot supporting microSD, microSDHC or microSDXC
- Certification: CE marking, RoHS compliant
- Dual Encoding: Continuous low-res recording; high-res on event detection
- Video Management: Digital zoom, auto tracking, simultaneous full scene and magnified view
- Mounting: Pole and wall mountings
- Minimum of three (3) calendar days of operation without sunlight
- Backup battery or grid power option.

2.3.4 Solar Panels

- 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

2.3.5 Battery Storage

- Type: Deep Cycle Lead Acid, AGM, Gel, or Lithium-ion
- Capacity: Sufficient to power the system for three (3) calendar days without sunlight (measured in amp-hours, e.g., 100Ah, 200Ah)
- Voltage: 12V, 24V, or 48V depending on the system configuration
- Cycle Life: Over 500 cycles at 50% depth of discharge (DoD)

2.3.6 Software

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. 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 and 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 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 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
- Allow recordings to be saved on external devices.
- 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 tapered with or signal is lost.
- Allow soft-PTZ of all cameras (if applicable).
- Allow full control of PTZ cameras including manual PTZ, touring mode by timetable.
- 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 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 signed.

The Contracting Authority has a 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.

Upon finalisation of installation, the Contractor shall provide the relevant accesses to the CCTV devices to the Contracting Authority

2.3.7 N.B. Data SIMs, microSD Cards and poles will be provided by the Contracting Authority.

2.3.8 The economic operator **must submit the camera datasheet**.

2.4 Execution Period

2.4.1 The contract shall be executed by not later than the 3rd week of May 2026.

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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