



PROCUREMENT NOTICE

This Procurement Notice is issued by the Government of Bermuda (the “Government”) to provide summary information in relation to a specific procurement, as detailed below.

1. Subject Matter of Procurement

RFX Title: **Upgrade of the Closed Circuit Television "CCTV" Network**

RFX Number: **RFP MNS HEAD 83 - 220407 - CCTV**

Purchase Type: **Goods**

The Government represented by the Ministry of National Security (“**Government**”) seeks a proposal to upgrade and expand the existing Closed Circuit Television (“**CCTV**”) system being managed by the Bermuda Police Service (“**BPS**”).

The current CCTV system has the following components:

- Capture Images: - Cameras PTZ and Fixed (Panasonic); LPR (Vivotek and Axis).
- Transmission: - The Backhaul transmission system is via a private wireless network consisting of DragonWave microwave radios, antennas, and software.
- The Network Video Recorder (NVR) is Panasonic (ND400 and NX400) displaying through a Video Management System Panasonic (ASM 300). The LPR software and display is Neural Labs.

The current operational DragonWave microwave links are installed at selected sites. The microwave links data transport system consists of DragonWave dual modem/radio system links in a 4+0 configuration for a quadruple frequency channel in dual orthogonal mode at each end of the link. The radio system at each end of the radio link consists of a high or low frequency pairs unit. The frequency channels are “reversed”, i.e., the transmit frequency band at one end corresponds to the receive frequency band at the opposite end, and vice versa. In addition, two

frequency channels are used to transmit/receive from each side, so that more data can be carried per link. Such arrangement permits the highest data transfer rate using a single link setup.

The radios and modems had been configured as a 4+0 system (two radios dual modem, transmitting without backup) to achieve double bandwidth (data throughput) capabilities. The Radio Links operate at 1.6Gbps.

The CCTV system is administered from Command Operations (“**COMOPS**”). The CCTV system can be viewed from a local computer connected to the private CCTV network at monitoring stations in two locations in the BPS. The CCTV solution has the ability to access and show historical video while recording, has several search-by features, can record on continuous recording, can adjust to daylight and night time vision, has the ability to download video, and has various video monitoring stations. The current system has 154 cameras which include 52 PTZ cameras, 83 Fixed cameras, plus 19 LPR specific cameras.

The Government requires the following services for the expansion of its current CCTV system:

- Design & build a hybrid CCTV solution network infrastructure consisting of both fiber optics and wireless backhaul;
- Design and implement a new system architecture that will support PTZ cameras, varifocal cameras, facial & License Plate Recognition (“LPR”) cameras;
- Design a migration plan for the replacement of end of life devices related to the CCTV solution, the upgrade of the existing Video Management System & upgrade of the Storage Platform (NVR & Cloud) for the CCTV system;
- System architecture design must have built-in redundancy at all levels including but not limited to cameras, network, servers, storage & application;
- System Architecture must provide and account for reliability, high availability & scalability for future growth; and
- Design & implement a UPS to supply and maintain VMS Infrastructure for new and existing sites.

The LED Video Wall must:

- Be designed for 24-hour reliability
- Be energy efficient

The contract will be a turnkey basis i.e., Supply, Installation, Implementation, Testing Commissioning and Maintenance of the CCTV system as detailed above. Proposals must also include decommission and disposal of the outdated CCTV parts. Proponent must also provide plans for spare parts and support, training, and annual maintenance and service support for 5 years.

2. How to Obtain Relevant Documents

All relevant documents for this procurement are posted at <https://www.gov.bm/procurement-notices>.

3. Procuring Entity’s Name

Name of Ministry: **Ministry of National Security**

Name of Department: **Ministry of National Security Headquarters**

4. Contact Information

Mr. Vernon Wears at email vswears@gov.bm.

5. Language of Submissions

Unless otherwise indicated, all submissions shall be in English only.

6. Important Dates

Issue Date	Tuesday July 19, 2022
Pre-Bid / Site Meeting	Monday August 08, 2022 10:00 AM local time
Deadline for Questions	Friday August 19, 2022 local time
Deadline for Issuing Addenda	Monday August 29, 2022 local time
Submission Deadline	Thursday September 08, 2022 04:00:00 PM local time
Anticipated Final Ranking	Friday September 16, 2022
Contract Negotiation Period	60 calendar days
Anticipated Execution of Agreement	Thursday December 01, 2022

All times listed are in Atlantic Standard Time (AST).

7. Location of Submission

Responses to this solicitation shall be submitted to the following location:

Electronic mail (E-Mail) submissions are accepted at vswears@gov.bm. If documents are larger than ten (10) MB please send them within a zip file.

In the subject line of the email, please state the RFP title. Please ensure to send a copy of your proposal in MS Word and/or Adobe PDF format.

8. Site Visit / Pre-Bid Meeting Details

For a site visitation appointment, contact Mr. Vernon Wears at vswears@gov.bm.

ADDITIONAL INFORMATION