

TERMS OF REFERENCE
SUPPLY AND INSTALLATION OF CCTV CAMERAS

I. BACKGROUND AND RATIONALE

The Quezon City Government (QCG) remains steadfast sustaining itself as a Quality Community, a progressive and peaceful environment pursuant to the United Nations Sustainable Development Goal (SDG) No. 11, to make cities and human settlements inclusive, safe, resilient, and sustainable. Thus, the Quezon City Government shall augment CCTV Cameras within the perimeter of Quezon Memorial Circle. The additional CCTV Cameras is expected to minimize crime-related incidents inside the area.

II. PROJECT DESCRIPTION

The project shall include the complete delivery and installation of 32 sets CCTV Surveillance Camera, which are capable to be linked on the 4th Floor, Executive Building Command Center.

III. OBJECTIVE

To ensure Peace, Orderliness and Public safety through an IP-Surveillance System featuring additional 32 CCTV Cameras installed in 32 strategic Entry and Exit locations within Quezon City.

IV. PROJECT SCOPE OF WORK

The equipment and devices will be deployed in entry and exit points of Quezon City. The project requires the complete set-up of an IP-Based Surveillance System. QCPD will monitor all additional street cameras. Supply and installation of cables and conduits including but not limited to the following:

- Supply and installation of 32 sets of Street Cameras. These include 21 sets of 5MP Bullet Cameras and 11 sets of 2MP PTZ Cameras.
- Supply and Installation of cables/conduits for street cameras.

Proposed Locations:

NO	LOCATIONS	CAMERA
1	Payatas Rd, Quezon City, Metro Manila	1-bullet
2	Payatas Road, Payatas, Novaliches Reservoir, Quezon City	1-PTZ
3	Visitation, Novaliches, Caloocan, Metro Manila	1-PTZ
4	Matthew St, Novaliches, Quezon City, Metro Manila	1-PTZ
5	Zabarte Rd, Novaliches, Quezon City, Metro Manila	1-PTZ
6	Susano Rd, Quezon City, Metro Manila	1-bullet
7	Damong Maliit Rd, Caloocan, Metro Manila	1-bullet
8	San Ildefonso St. Nagkaisang Nayon, Quezon City, Metro Manila	1-PTZ
9	Mindanao Avenue, Novaliches, Quezon City, Metro Manila	1-bullet
10	Tullahan Rd, Metro Manila	1-bullet
11	NLEX E Service Rd, Metro Manila	1-PTZ
12	21 Epifanio De los Santos Ave, East Grace Park, Caloocan, Metro Manila	1-PTZ
13	58 Cabatuan, Barrio San Jose, Quezon City, Metro Manila	1-bullet
14	A Bonifacio Ave, Cor Calavite, Quezon City, Metro Manila	1-bullet
15	Mabuhay Rotonda, Sampaloc, Manila, Metro Manila	1-PTZ
16	Santa Mesa Blvd, Manila, Metro Manila	1-PTZ
17	N. Domingo Cor. Araneta Ave., San Juan, Metro Manila	1-bullet
18	N. Domingo St, San Juan, Metro Manila	1-bullet
19	107 Col. Bonny Serrano Avenue, Quezon City, Metro Manila	1-bullet

20	EDSA-Poveda St, Quezon City, Metro Manila	1-bullet
21	99-16 Eulogio Rodriguez Jr. Ave, Pasig, Metro Manila	1-bullet
22	Caruncho Rd, Bagumbayan, Quezon City, Metro Manila	1-bullet
23	FVR Rd, Marikina, 1800 Metro Manila	1-PTZ
24	Maj. Santos Dizon St, Project 4, Quezon City, 1800 Metro Manila	1-PTZ
25	Barangka Overpass, Marikina,1800 Metro Manila	1-bullet
26	A Bonifacio Ave, Marikina, 1800 Metro Manila	1-bullet
27	Moscow St, Marikina, Metro Manila	1-bullet
28	Batasan-San Mateo Rd, Quezon City, Metro Manila	1-bullet
29	75 Visitation, Novaliches, Caloocan, Metro Manila	1-bullet
30	20 Maria Clara St, La Loma, Quezon City, 1008 Metro Manila	1-bullet
31	Corner Batanes St, Sampaloc, Quezon City, 1008 Metro Manila	1-bullet
32	Ortigas Ave, Ortigas Center, Quezon City, Metro Manila	1-bullet

**Note that the above listed proposed locations are boundaries of Quezon City.*

V. PROJECT STANDARDS AND REQUIREMENTS

- Bidder must provide statement of warranty with a minimum of One (1) year onsite warranty on parts and services.
- Bidder must submit a certification that they are the Authorized Distributor of the brand being offered.
- The proposed CCTV can be integrated seamlessly to the QC Unified Command Center
- Bidder must have at least 15 years of experience in the electronic security, surveillance industry.
- The offered brand for CCTV cameras and equipment must at least have been in the market for at least 20 years in experience in the Philippines Market
- There should be a proof of company stability of the manufacturer/s of the CCTV equipment.
- WAN and Internet connectivity will be provided by the QCG

VI. DELIVERY PERIOD

The delivery period is within 30 calendar days upon issuance of Notice to Proceed.

VIII. WARRANTY

- One (1) year onsite warranty on parts and service.

IX. APPROVED BUDGET FOR THE CONTRACT

The Approved budget for the contract is amounting to Two Million, One Hundred Thirty-One Thousand, Seven Hundred Eighteen Pesos. (P 2,131,718.00.)

GENERAL DESCRIPTION	QUANTITY/ SIZE	ESTIMATED BUDGET
IP Bullet 5MP Camera with Surge Protection Imaging Device Scanning System 1 / 2.7 Low Illumination 5MP CMOS Sensor Min. Illumination : Color : 0.01 Lux (F1.2,AGC on), 0 Lux with IR B/W :0.001 Lux (F1.2,AGC on), 0 Lux with IR Camera should be able to capture and transmit an image size of 5MP (2592 x 1944) at 6 fps Camera is intended to be a bullet style	21 sets	

4 LED array, (2 white light; 2 Infrared Light) 30m Range Fixed Lens with focal length of 3.6mm True Day & Night with an Infrared Cut Filter and with auto switch Shutter Time/Speed of 1/50(1/60)s to 1/10,000s with Anti-Flicker Applicable to Mobile phone remote Monitoring (iOS & Android) H.264+ High Profile Video Compressions Supports three connection mode. LAN (wired) or Wi-Fi (wireless) and AP Mode Motion Detection, Video Loss, Video Block, AI Human Detection, Face Detection Maximum Bitrate of 0.1-8Mbps Supports two way audio communication Audio Compression G.711a ONVIF Compliant Voltage 12V DC Ingress Protection:IP66 Grade Operating Temperature of -10°C to +60°C Maximum of 6W power consumption Support micro SD-Card		
IP PTZ Dome 2MP Camera with Surge Protection Auto Electronic Shutter TimeSupports DWDR, 3D DNRH.265+ (compatible H.265/H.264) encoding algorithmMobile Phone Remote Monitoring (iOS, Android)Multi Browser Access (IE, Chrome, Firefox, Safari)Information Superposition (ID, IP, DDNS, etc.)Supports WEB, CMS, VMS, Cloud services, cloud storageSupports HVR/NVR, ONVIF ProtocolSensor 1/2.8" Starlight CMOSMinimum Illumination: Color: 0.0001 Lux @ F1.2B/W: 0.0001 Lux @ F1.2Shutter Time AutomaticMaximum Image 1920*1080Frame Rate NTSC: 1920 x 1080P @ 30 fpsDay & Night IR Cut Filter with Auto SwitchLens Aperture F1.6 – F2.7Lens Focal Length 4.7 mm – 84.6mmOptical Zoom 18XIR Range 8 LED Lamps 120mRotation Range: Horizontal: 0 – 360 deg continuous rotationVertical: -15 – 90 deg continuous monitoringAuto Mode Preset Point/Preset Point Cruise/Horizontal Scan/ Auto Scan/ PathPTZ Function Support the turn-on movement, support power memory functionProtocol: TCP/IP, HTTP, DHCP, DNS, DDNS, PPPoE, SMTP, NTP, (HTTPS, SIP, 802.1x, IPv6 Optional)Storage: Network Storage, internal SD Card to 128GEthernet 1*10/100 Mbps Ethernet port, RJ45 portMaterial Metal + ABS PlasticIngress Protection IP66Lightning Proof and Anti-Surge TVS4000V	11 sets	
Project Installation Cost: <ul style="list-style-type: none"> a. Supply, Delivery, and installation of data cables b. Supervision, coordination, installation, termination, testing and commissioning. c. Installation, Tapping and Configuration of cameras to the existing communication box. d. Integration to existing system at QC City Hall e. Project Management, Training and Documentation 		
TOTAL		P 2,131,718.00

X. TERMS OF PAYMENT

Full payment shall be processed upon completion of the supply and installation.

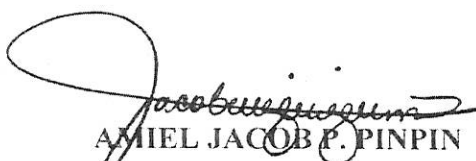
XI. PENALTIES FOR BREACH OF CONTRACT

Failure to deliver the services according to the standards and requirements set by the City shall constitute an offense and shall subject the Contractor to penalties and/or liquidated damages pursuant to RA 9184 and its revised Implementing Rules and Regulations.


XII. CANCELLATION OR TERMINATION OF CONTRACT

The guidelines contained in RA 9184 and its revised IRR shall be followed in the termination of any service contract. In the event the City terminated the Contract due to default insolvent, or for cause, it may enter negotiated procurement pursuant to RA 9184 and its IRR.

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