

PROJECT : SUPPLY, DELIVERY, INSTALLATION TESTING AND COMMISSIONING OF SECURITY SYSTEMS (BURGLAR AND CCTV) FOR DBP VIGA BLU
LOCATION : G/F MUNICIPAL BLDG., D. ALCALA ST., SAN VICENTE, VIGA, CATANDUANES
SUBJECT : TECHNICAL SPECIFICATIONS

MODE OF PROCUREMENT: SMALL VALUE PROCUREMENT (GOODS & SERVICES)

I. APPROVED BUDGET FOR THE CONTRACT:

**SEVEN HUNDRED TWENTY-NINE THOUSAND TWO HUNDRED THIRTY PESOS –
Php 729,230.00 (inclusive of VAT/applicable taxes)**

II. TECHNICAL SPECIFICATIONS:

Item No.	Particulars	Quantity	Specifications
Electronic Security System			
Burglar Alarm System			
1	Burglar alarm control panel	1 set	Refer to Annex A
2	Auto dialer for burglar alarm	1 set	
3	Siren with strobe-lights	1 set	
4	Magnetic door contact	4 pcs	
5	Hold-up buttons	7 sets	
6	Foot rail switches	2 sets	
7	Money clip	2 pcs	
8	Vibration contact	12 sets	
9	Buzzer with emergency button	1 set	
10	Motion detection light	1 set	
Biometrics Access System			
11	BAS Computer	1 set	Refer to Annex B
12	24” LED Monitor	1 set	
13	UPS 625VA	1 set	
14	Fingerprint and proximity reader	1 set	
15	Single door magnetic lock	1 set	
16	Exit Button	1 set	
17	12V/3A power supply with back-up battery	1 set	
CCTV surveillance system			
18	16 channel network video recorder with 4nos 8TB internal hard drive	1 set	Refer to Annex C
19	POE Switch	1 set	
20	16 channel 32" monitor	1 set	
21	5MP CCTV camera (bullet type)	4 sets	
22	5MP CCTV camera (dome type)	7 sets	
23	9U CCTV Cabinet (wall mounted)	1 set	
Wires and cables			
24	Cat5e UTP cable 4 pairs (305m/box)	2 boxes	Cable shall be covered by low smoke zero halogen or flame retardant PVC jacket.

25	#22 2C AWG stranded TF wire	100m	Thermoplastic fixture wires are specified for use on lighting fixtures and low-power, low-voltage remote control circuits where the conductor operating temperature does not exceed 60°C and the voltage is 600V. The wires feature PVC insulation that is oil resistant and flame resistant. The document provides details on the construction and specifications of single conductor and twisted pair thermoplastic fixture wires, including conductor diameter, insulation thickness, overall diameter and approximate weight. Variations are also available for higher 90°C temperature ratings
26	#12 AWG stranded THHN wire	30m	All wires and cables shall be 600-volt grade, made of copper, lead-free, and soft-annealed, capable of withstanding a 130° C emergency overload condition, and must be UL-listed for safety and quality compliance.
27	RS232 Cable	10m	Serial interface cables should be shielded, low capacitance cables, ideally designed specifically for serial data transmission.
Conduits and fittings			
28	25mm dia. PVC pipe (3m/pc) with adapter and locknut	105 sets	PVC conduits and fittings shall be unplasticized Polyvinyl Chloride (uPVC), schedule 40, and uniform wall
29	20mm dia. flexible PVC pipe (50m/roll)	1 roll	

30	20mm dia.. straight connector	50 pcs	thickness. It shall be compression and impact resistant, non-corrosive, weatherproof, made of superior quality.
31	20mm dia angle connector	50 pcs	Flexible conduits covered with a jacket made of thermoplastic rubber.
Boxes			
32	Pullbox (ga#16)	2 sets	Galvanized Pull box
33	Junction box with cover (PVC)	50 sets	4"x 4" PVC
34	Utility box (PVC)	20 sets	2"x 4" PVC
Other accessories			
35	Hanger and support	1 lot	
36	Consumables (tape, tagging, PVC cement and accessories)	1 lot	
37	Mounting termination, testing, commissioning and programming	1 lot	

Notes: Supplier must provide same brand for each item

III. CONDITIONS OF THE CONTRACT:

1. The Supplier shall ensure that the items delivered are in accordance with the specifications required by the DBP. DBP reserves the right to reject delivery if the item/s delivered are found to be defective or do not meet the required specifications/model.
2. DBP may terminate/cancel the Purchase Order (PO)/Notice to Proceed (NTP) when if the Supplier fails to deliver, perform and comply with its obligation.
3. **Delivery Period:** The Supplier shall complete the supply, delivery, installation, testing and commissioning of security systems (burglar and cctv) within **thirty (30) calendar days** after receipt of Purchase Order (PO) / Notice to Proceed (NTP).
4. **Point of Delivery:** G/F Municipal Bldg., D. Alcala St., San Vicente, Viga, Catanduanes
5. **Warranty:** The warranty period shall be one (1) year from the date of acceptance of the item/s by DBP.

IV. DOCUMENTARY REQUIREMENTS:

Interested Supplier/s must submit the following documents:

- Proposal/Quotation
- Proof PhilGEPS Registration
- 2025 Mayor's/Business Permit
- Omnibus Sworn Statement

- Secretary Certificate (for Supplier under Partnership/Corporation)
- Signed Request for Quotation (RFQ)

V. PAYMENT:

ONE-TIME, FULL PAYMENT shall be processed be after completion of the project subject to submission of following complete documents:

- Project Pictures
- Invoice/Billing Statement
- Certificate of Completion/Acceptance (as applicable)

VI. LIQUIDATED DAMAGES:

Once the contractor fails to satisfactorily complete the works under the contract within the specified contract duration, inclusive of duly granted time extensions, if any, the contractor shall be liable for liquidated damages in an amount equal to at least one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion of the works for every day of delay.

In computing liquidated damages, the DBP shall determine the usability of the project. A project or a portion thereof may be deemed usable when it starts to provide the desired benefits as certified by the targeted End-User or Implementing Units and the DBP.

To be entitled to liquidated damages, the DBP does not have to prove that it has incurred actual damages. Such amount shall be deducted from any money due, or which may become due the contractor under the contract, collected from the retention money or other securities posted by the contractor, or a combination thereof, whichever is convenient to the DBP.

In case the total sum of liquidated damages reaches ten percent (10%) of the total contract price, the DBP may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances. This does not, however, preclude the DBP in resorting to Termination of Contract under Section 71.4 of the IRR of R.A. 12009.

Recommended by:

-SIGNED-

MARK GIL H. BAYOS

Branch Services Officer, DBP Virac Branch

Approved by:

-SIGNED-

BRENDA G. BRIZO

Head, DBP Virac Branch

TECHNICAL SPECIFICATIONS

BURGLAR ALARM SYSTEM FOR DBP VIGA BRANCH LITE UNIT

BURGLAR ALARM CONTROL PANEL

- Power supply: 220 – 240VAC , 60Hz
- Number of zones: 8 zones expandable capacity
- Inclusions 12V/ 6.5 to 33Ah battery, and Telephone dialer sending voice message to four (4 telephones, and keypad that can carry various programming of the system settings (Mode, protection zones, remote alarm, tel. number , etc.)

AUTO DIALER (LINE / GSM READY)

- Operating voltage: 10 to 14V, DC
- Operating Current: 15 to 100mA
- Tel. Number memories: 4 x 16 digits for voice message sending, 1 x 26 Digits for pager numeric message sending
- Voice message duration: Max. 20 sec., recording is repeated for 40 sec., during sending
- Number of calls: When triggered, each programmed number is called ≥ 3 times

SIREN WITH STROBELIGHTS

- Volume: ≥ 80 DB (Electronically addressable)

MAGNETIC DOOR CONTACT

- Operating range: ≥ 25 mm range, normally open, installed on door frame/ drop wall and door

HOLD-UP BUTTON

- Material: ABS material, 24v DC with one (1) reset key

FOOT RAIL SWITCH

- Material: Rugged stainless steel, N/O and NC output circuit

MONEY CLIP

- Installation: PCOS tray inside counter, SPDT contacts with set screw for mounting

VIBRATION CONTACT

- Mounting: Surface mounted with ≥ 1.5 m sensing radius and LED indicators

BUZZER WITH EMERGENCY BUTTON

- Operating voltage: 24V DC
- Buzzer volume: ≥ 70 Db
- Relay output: N/O, NC alarm circuit connection

**TECHNICAL SPECIFICATIONS
BIOMETRIC ACCESS SYSTEM FOR DBP VIGA BRANCH LITE UNIT**

BIOMETRIC ACCESS SYSTEM (BAS) PC

- Processor: Min. of intel core i7-13700/13700k/13700kf or equivalent (13th gen, 2.10Ghz up to 4.0Ghz Max turbo, 16 cores, 24 threads)
- Memory: Min. of 32gb (2x16gb) DDR5 4800 Memory (4 slots)
- Hard disk capacity: Min. of one (1) terabyte SSD NVME M.2
- Graphics and video controller: Min. of 1 GB integrated/ on-board/ dedicated
- Audio controller: On-board audio controller
- Monitor: Min. of 24" color LED standard monitor (wide) with 1920 x 1080 resolution
- Key board/ mouse: USB soft-touch 101 enhanced keyboard / USB optical scroll mouse
- Multimedia: internal speaker
- Operating system: with pre-installed windows 11 professional 64-bit must have compatible drivers or windows 10

UPS 625VA

- Rating capacity: 625VA
- AC operating voltage range: 208 to 240V
- Frequency range: 60Hz±5%
- AC input & output voltage: 220 to 240V
- Output waveform: sine wave / pure sine wave
- Inclusive of necessary accessories to operate the system

FINGER PRINT PROXIMITY READER (VAULT GRILLE DOOR)

- Finger capacity: ≥ 2,000
- Record capacity: 100,000 min.
- Communication: TCP/IP, RS232/485 (compatible cord for PC), USB-host
- Interface: Electric lock, door sensor, exit button, capable of print/view on list of enrollees and period of entries
- Communication: TCP/IP USB-host
- Functions: Dual-control/ authorization
- Inclusive of necessary accessories

SINGLE DOOR MAGNETIC LOCK

- Holding force: 600lbs min.
- Feature: fail switch
- Inclusive of brackets and other necessary accessories

EXIT BUTTON

- Material: Shall be made of stainless steel material
- Function: Physical push-button to unlock doors when exiting
- Mounting: Surface mounted

12V/3A POWER SUPPLY WITH BACK-UP BATTERY

- Input frequency: 50-60Hz
- Adjustable locking delay time: 0-15 sec
- Set NC/NO outputs, can control various types of electric locks

TECHNICAL SPECIFICATIONS

CCTV SURVEILLANCE SYSTEM DBP VIGA BRANCH LITE UNIT

16 CHANNEL NETWORK VIDEO RECORDER WITH 4NOS 8TB INTERNAL HDD

- Capacity: To meet 60 days' real time retention period.
SATA interface; $\geq 230\text{MB/s}$ transfer rate; $\geq 256\text{MB}$ cache;
Operating system $\leq 65^{\circ}\text{C}$
- SATA ports: ≥ 4 SATA Ports, $\geq 8\text{TB}$ per disk
- Channel Playback: 16 Channels
- Resolution: 5MP
- Video Output: HDMI and VGA
- Video Compression: H.265+/H.265
- Multi-screen Display: YES
- Network: Open Network Video Interface (ONVIF)
- Power Supply: 100 TO 240V AC, 50/60Hz

POWER OVER ETHERNET (POE) SWITCH

- Power Supply: 100 – 240V AC, 50-60Hz
- No. of Ports ≥ 16
- Port rate: 100MBPS
- Transmission: $\geq 250\text{M}$
- Inclusive of necessary accessories

16 CHANNEL 32" MONITOR

- Display: IPS with LED Backlight
- Resolution: $\geq 1080\text{P}$
- Inputs: 1-VGA, 1-HDMI (Minimum input)
- Aspect ratio: 16:9
- Inclusive of wired & wireless mouse, cables, and standard mounting brackets and stand

5MP CCTV CAMERA (BULLET TYPE)

- Camera Resolution: 5MP @ 20FPS, 4MP @25/30FPS
- Built-in IR LED: Yes
- Lens Type: Fixed-focal
- Focal Length: 2.8mm; 3.6mm
- Features: Motion Detection
- Network: Open Network video interface
- Power supply: 12C DC/ PoE
- Protection: Not less than IP66
- Inclusive of junction box, mounting bracket/s, and other accessories to operate the camera

5MP CCTV CAMERA (DOME TYPE)

- Camera Resolution: 5MP @ 20FPS, 4MP @25/30FPS
- Built-in IR LED: Yes
- Lens Type: Fixed-focal
- Focal Length: 2.8mm; 3.6mm
- Features: Motion Detection
- Network: Open Network video interface
- Power supply: 12C DC/ PoE
- Protection: Not less than IP66
- Inclusive of junction box, mounting bracket/s, and other accessories to operate the camera

9U CCTV CABINET (WALL MOUNTED)

- Color: Powder coated black
- Inclusive of lock and keys, fixed trays, and other mounting accessories

TECHNICAL SPECIFICATIONS
FIRE DETECTION ALARM SYSTEM FOR DBP VIGA BRANCH LITE UNIT

FIRE ALARM CONTROL PANEL

- Number of Addressable devices: ≥ 150
- Number of Detector lines: 2 loops expandable
- Operating voltage: 230V AC, 60Hz
- Output: 24V DC

AUTOMATIC TELEPHONE DIALER (LINE / GSM READY)

- Operating voltage: 10 – 14V DC
- Operating Current: 15mA – 100mA
- Voice message: 4 x 16 Digits (20 seconds max.)
- Pager Numeric message: 1 x 26 Digits
- Function: Automatic calling up to 3 times each programmed number

SMOKE DETECTOR (ADDRESSABLE)

- Type: Photoelectric electronically addressable
- Alarm sensitivity: Built-in algorithm maps / NFPA Standards
- Indicator: Twin LED (FOR 360° vision)
- Panel communication: Remotely (Poll indicator)
- Operating voltage: 24V DC

HEAT DETECTOR (ADDRESSABLE)

- Type: Photoelectric electronically addressable
- Alarm sensitivity: Built-in algorithm maps / NFPA Standards
- Indicator: Twin LED (FOR 360° vision)
- Panel communication: Remotely (Poll indicator)
- Operating voltage: 24V DC

MANUAL CALL POINT WITH SOUNDER STROBE

- Sound Volume: $\geq 70\text{dB}$
- Call point: Resettable via special key
- Design: Glass covered to prevent from accidental activation