



TECHNICAL SPECIFICATIONS

PROJECT: SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF CCTV SURVEILLANCE SYSTEM FOR DBP STA. CRUZ (DAVAO) BRANCH

I. APPROVED BUDGET FOR THE CONTRACT

FOUR HUNDRED THOUSAND PESOS (P400,000.00), inclusive of all applicable government taxes.

II. EQUIPMENT'S SPECIFICATION

See attached approved specifications

III. SCOPE OF SERVICES

1. Supply of One (1) lot CCTV Surveillance System including labor and materials
2. Supply of peripherals, accessories, and other consumable items such as power supply, back-up batteries, cables, etc.
3. Delivery and installation of all units/devices
4. Dismantling of existing CCTV surveillance system, wires, cables, including accessories then turn over to the branch representative or property custodian.
5. Testing and commissioning

IV. DELIVERY AND INSTALLATION PERIOD

1. Within 60 calendar days upon receipt of Purchase Order (PO) / Notice to Proceed (NTP).
2. Winning bidder shall handle freight cost.
3. Upon delivery, the Supplier shall provide duly signed individual Delivery Receipts to the identified branches.

V. CONDITIONS OF THE CONTRACT

1. The Winning Bidder shall ensure that the items delivered are in accordance with the approved Specifications. DBP may terminate /cancel the Purchase Order/Notice to Proceed when the Winning Bidder fails to deliver, perform and comply with its obligation as required in the contract.
2. The Winning Bidder, in consideration of the payment to be made by DBP, binds itself to pay, furnish and complete any and all necessary permits, materials, labor, tools, equipment, supplies, utilities, transportation, superintendence, supervision and other facilities to ensure performance on the supply, delivery, installation and testing of the units in the Procuring Entity.
3. DBP shall be free from any kind of claims, damages, liabilities or course of action in the event the Winning Bidder violates any terms and conditions hereof, including nay and all liabilities arising from the Winning Bidder's non-compliance with the requirements of the Workmen's Compensation, Social Security and other labor laws.
4. The Winning Bidder shall hold all obligations, duties and responsibilities necessary to the successful completion of the contract assigned to be undertaken by the Winning Bidder, including labor, materials, equipment and services, other incidentals and furnishings thereof in accordance with the specifications and the addenda prepared by DBP.

Conforme:

Bidder's Company Name

Name & Signature of Authorized Representative

Designation

Date

VI. LIQUIDATED DAMAGES

If the winning bidder fails to satisfactorily deliver any or all of the Goods within the period specified in the Contract, inclusive of duly granted time extensions if any, the Procuring entity shall, without prejudice to its other remedies under the Contract and under the applicable law, deduct from the Contract Price, as liquidated damages, the applicable rate of one tenth (1/10) of one percent (1%) of the cost of the unperformed portion for everyday of delay until actual delivery performance. The maximum amount of liquidated damages reaches ten percent (10%), the Procuring Entity may rescind the Contract, without prejudice to other courses of action and remedies open to it.

VII. PAYMENT

1. Payment shall be processed and credited to the Winning Bidder's DBP deposit account only upon issuance of Certificate of Satisfactory Test-run and Certificate of Acceptance by the Procuring Entity, which shall be based on the completion of all deliverables.
2. The Winning Bidder shall open an account with DBP within ten (10) banking days upon receipt of Notice of Award (if no existing account yet).
3. Official receipt shall be issued by the Winning Bidder upon receipt of full payment.

VIII. RETENTION MONEY

The obligation for one (1) year warranty (reckoned from the date of acceptance) shall be covered by either retention money or a special bank guarantee equivalent to five percent (5%) of the total contract amount.

IX. WARRANTY

1. One year warranty on parts upon acceptance of the project. If the unit malfunctions or develop any trouble within the warranty period, the same shall be subject to repair or parts/unit replacement free of charge. Warranty shall likewise extend until such time the Winning Bidder completes the repair or replaces the defective part/unit.
2. The Winning Bidder shall warrant that the goods subject to Purchase Order/ Notice to Proceed are free from the latent defects during inspection and testing periods.

X. DOCUMENTARY REQUIREMENTS

The supplier must submit the following:

1. Signed quotation
2. Valid and Current Business Permit
3. BIR Certificate of Registration
3. Proof of PhilGEPS Registration/PhilGEPS Profile
4. Technical Data Sheet/Brochure of the brand/model being offered.
5. Notarized Omnibus Sworn Statement signed by owner / authorized representative.

Recommended by:

SIGNED

MA. JOSEFINA P. BELTRAN

Officer-in-Charge, Branch Services

Approved by:

SIGNED

AMADO D. BRASILEÑO

Branch Head

Conforme:
_____ Bidder's Company Name
_____ Name & Signature of Authorized Representative
_____ Designation
_____ Date

TECHNICAL SPECIFICATION
ONE (1) – LOT - CCTV SURVEILLANCE SYSTEM
DBP Sta. Cruz (Davao) Branch

I. **Approved Budget for the Contract ₱400,000.00** (inclusive of VAT/applicable taxes).

II. **Technical Specification:**

Dome Camera

- 5MP Fix IP Dome Camera real time video recording
- Lens : IRI Series – 3.6mm
- Angle View : 76' (3.6mm)
- Housing : Weather Proof IP66 rated
- Indoor/outdoor
- IR Distance 20m-25m

Bullet Camera

- 5MP real time video recording
- Lens : IRI Series – 3.6mm
- Angle View : 76' (3.6mm)
- Housing : Weather Proof IP66 rated
- Indoor/outdoor
- IR Distance 20m-25m

Fisheye Camera

- Fisheye 360 degree
- ½.7-in 5MP Progressive-scan CMOS Sensor
- Triple-stream encoding
- Smart H.256+ and Smart H.265 4+dual codec
- 5MP (2592x1944) at 30fps Maximum resolution
- 1.4 mm fixed Lens
- True Wide Dynamic Range (120dB)
- Analytic + Function – People Counting and Heat map
- Built-in Microphone
- IP 67 Ingress Protection and 1K 10 Vandal Resistance
- IR Distance 15-20m

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16 CHANNEL NVR

- H.265 + Video Compression/Third part camera supported
- 5 Megapixels resolution recording
- HDMI and VGA output 2560 * 1920 P resolution
- 8/16 ch synchronous playback
- HDD quota and group management
- Hard Drive capacity, to meet the 60 days (real time) retention period

Hard Drive – (10 TB Hard Disk Drive)

Formatted NTFS for Windows 10, Windows 8, windows 7. Requires reformatting for MAC OS X, compatibility may vary depending on user's hardware configuration and operating system.

- Interface – USB 3.0, USB 2.0
- Operating System – Windows and MAC
- Package Includes – WD Elements hard drive, USB cable, AC Adapter , Quick install guide.

Network Attached Storage - (NAS) – (1 – Unit)

- HARDWARE
 - DUAL CORE 700MHz CPU
 - 512 MB DRAM
 - ONE (1) SERIAL ATA II CHANNEL
 - HOT SWAPPABLE TRAYS
 - ONE (1) ETHERNET PORT
 - TWO(2) USB 3.0 PORTS
 - ONE(1) USM port
 - 256 MB flash memory for OS
 - LOCK
 - LCD display panel with buttons
 - FORM FACTOR : DESKTOP 4 – BAY
- PHYSICAL
 - EXTERNAL POWER SUPPLY
 - 100- 240 AC, 50/60HZ
 - POWER SAVING MODE
 - WITHOUT STORAGE CONNECTED
 - HDD IS OFF
 - 90 Cooling fan
 - ≤ 4.2 BELS
 - 6TB (to meet the 60 days (real time) retention period)
- ELECTRICAL
- POWER
- THERMAL
- ACOUSTICS
- CAPACITY

FEATURES:

Network Protocols

- Common Internet file server (CIFS)/Server Message Block(SMB) for Windows
- Alpha-fetoprotein (AFP) 3.3 for MAC OS 9/X
- Hypertext Transfer Protocol (HTTP/S) for Web browser
- File Transfer Protocol (FTP/S)
- R sync
- Internet Small Computer system Interface (iSCSI) target support for Windows, MAC and UNIX/Linux initiator (available on 2 -/4 bay)

Network Services

- Dynamic Host Configuration Protocol (DHCP) or static IP address assignment
- Network Time Protocol (NTP)
- IEEE 802.3ad Link Aggregation Control Protocol (LACP) support for load balancing and failover
- Print Server

RAID – Redundant Array of Independent disk

- Multiple volume support for RAID 0,1,5,10 and JBOD for 4-bay; RAID 0,1 and JBOD for 2 – bay
- Hot swappable disks (only on 4 – bay)
- Hot spare disk support
- RAID volume expansion
- RAID Migration

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Volume Management

- EXT 4 journaled file system
- iSCSI LUN support
- User and group quotas

User Security and Data Access

- Local users and Active Directory/Windows Domain support
- Secure Sockets Layer (SSL)
- CHAP authentic for iSCSI LUN
- Share-based access permission
- Volume-and share-based data encryption
- Seagate Global Access for Windows, MAC, Tablets, smartphone (iOS and Android)

System Management

- Dashboard and browser-based management UI
- Device health status
- Email alert

Media Streaming

- DLNA
- Apple, iTunes, server
- Universal plug and play (UPnP)

Backup

- Integrated backup
- Backup to/ from Universal Serial Bus(USB)/Ultrasonic motor (USM) disks with programmable One Touch button
- Backup software for Windows
- NAS-to NAS backup with incremental or full backup
- Time machine support
- Support of 3rd – party backup software

USB and USM support

- USB device support (3.0 /2.0)
- USB HDD and flash drives
 - EXT3- Third extended file system
 - EXT4 – Fourth extended file system
 - FAT – File Allocation Table
 - NTFS – New Technology File system
- Hot Swappable USM drive (USM – 2 – bay and 4 – bay)
- Printers
- UPS monitoring and auto shutdown

Power Management and Power Saving

- Disk spin-down
- Smart system cooling fan
- Power on/off schedule

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- Wake-on-LAN (WOL)

Supported Web Browsers

- Internet Explorer 7.0+
- Opera 9.5+
- Safari 2.0+
- Mozilla Firefox 3.0+
- Google chrome

Supported Network Client OS

- Microsoft Windows 7, 8 , Vista XP
- Windows server 2008 R2, 2003 SBS R2
- Macintosh OS X 10.X
- Linux, UNIX, Solaris

Language – Open

Compliance

- FCC, CE, CCC, RoHS

Warranty

- Hard disk 3 – years Limited warranty

16 Channel CCTV Camera Power Supply – 12 VDC – 10 Amps.

Every channel is protected with Auto-reset PTC fuses, which means these fuses will not blow. This box can be mounted to any surface, plugged into AC outlet.

- 12VDC – 10Amp supply current
- Multiple outputs (16 Channel)
- 16 – Auto-reset PTC fuse protected output
- Power on/off switch
- DC regulated, over current and voltage protected
- Individual LED indicator for each output
- Fuse Rating: 1. 1A

32” Monitor

- 32” BNC Monitor
- Format type : LED
- HD-TVI, HD-CVI, AHD Compatible
- Analog CCTV (CVBS) Compatible
- Max. Resolution: 1080p
- (1) Analog BNC Video Input (Composite)
- (1) HD BNC Video Input
- (1) HDMI Input
- (1) VGA Input
- (1) 3.5 mm audio Input
- Built-in Audio Speaker

Reflectorize Sticker

- Size : 210mm x 297 mm

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Power Interface Switch for Power Over Ethernet (PoE) Powered Devices (IF Require by the contractor/installer)

Features:

- Integrated Power Interface Switch for IEEE
- Provide PD Detection Signature
- Provides PD Classification signature
- Programmable Inrush Current Limit
- Internal 0.3 - Ω Low – side FET
- Interface to DC/DC Soft-start for DC / DC Enable
- Internal Thermal Protection – Disconnects PD Load
- Minimal External Parts Count
- 8 – Pin SOIC, 8-Pin TSSOP Packages

Recommended by:

SIGNED

MA. JOSEFINA P. BELTRAN

OIC, Branch Services Officer, Sta. Cruz (Davao) Branch

Approved by:

SIGNED

AMADO D. BRASILEÑO

Acting Branch Head, Sta. Cruz (Davao)

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