



DEVELOPMENT BANK OF THE PHILIPPINES
Branch Banking Group – Central Luzon
City of San Fernando, Pampanga

TERMS OF REFERENCE

PROJECT: SUPPLY, DELIVERY, INSTALLATION AND TESTING OF 2 LOTS CCTV SURVEILLANCE SYSTEM FOR CABANATUAN AND MALOLOS BRANCHES

I. APPROVED BUDGET FOR THE CONTRACT

NINE HUNDRED FIFTY THOUSAND PESOS (₱950,000.00), inclusive of all applicable government taxes, allocated as follows:

BRANCH	ABC (PHP)
CABANATUAN	350,000.00
MALOLOS	600,000.00

Project will be awarded to the Supplier with the lowest total bid amount, subject to the condition that bid amount shall not exceed the set ABC per item.

II. TECHNICAL SPECIFICATIONS / SCOPE OF WORK

CABANATUAN BRANCH		MALOLOS BRANCH	
ITEMS REQUIRED		ITEMS REQUIRED	
DOME TYPE CAMERA	11 – UNITS	DOME TYPE CAMERA	19 – UNITS
BULLET TYPE CAMERA	4 – UNITS	BULLET TYPE CAMERA	12 – UNITS
FISHEYE CAMERA	1 – UNIT	FISHEYE CAMERA	4 – UNITS
16-CHANNEL NVR	1 – UNIT	16-CHANNEL NVR	2 – UNITS
HARD DRIVE	2 – UNITS	HARD DRIVE	2 – UNITS
NETWORK ATTACHED STORAGE (NAS)	1 – UNIT	NETWORK ATTACHED STORAGE (NAS)	1 – UNIT
16-CHANNEL CCTV CAMERA	1 – UNIT	16-CHANNEL CCTV CAMERA	1 – UNIT
32" CCTV MONITOR	2 – UNITS	32" CCTV MONITOR	2 – UNITS
REFLECTORIZED STICKER	1 – PC	REFLECTORIZED STICKER	1 – PC
POWER INTERFACE SWITCH FOR POWER OVER ETHERNET	1 – UNIT	POWER INTERFACE SWITCH FOR POWER OVER ETHERNET	1 – UNIT
INSTALLATION, LABOR, WIRING, PIPING, FLEXIBLE, BOXES, CONNECTORS, TAPPING TERMINATION PROGRAMMING, TESTING, TRAINING, COMMISSIONING	1 – LOT	INSTALLATION, LABOR, WIRING, PIPING, FLEXIBLE, BOXES, CONNECTORS, TAPPING TERMINATION PROGRAMMING, TESTING, TRAINING, COMMISSIONING	1 – LOT

ITEM TECHNICAL SPECIFICATION			
<p>DOME CAMERA</p> <ul style="list-style-type: none"> 5MP Fix IP Dome Camera real time video recording Lens: IRI Series – 3.6 mm Angle View: 76° (3.6mm) Housing: Weather Proof IP66 rated Indoor/outdoor IR Distance 10m-20m 	<p>NETWORK ATTACHED STORAGE (NAS)</p> <table border="1"> <tr> <td> <p>Hardware</p> <ul style="list-style-type: none"> Dual Core 700 MHz 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 </td> <td> <p>Physical</p> <ul style="list-style-type: none"> Form Factor: Desktop 4-Bay <p>Electrical</p> <ul style="list-style-type: none"> External Power Supply 100-240 AC, 50/60Hz <p>Power</p> <ul style="list-style-type: none"> Power Saving Mood Without Storage Connected HDD is off <p>Thermal</p> <ul style="list-style-type: none"> 90 Cooling fan <p>Acoustics</p> <ul style="list-style-type: none"> ≤ 4.2 BELS <p>Capacity</p> <ul style="list-style-type: none"> 6TB (TO MEET THE 60-DAYS REAL TIME RETENTION PERIOD) </td> </tr> </table>	<p>Hardware</p> <ul style="list-style-type: none"> Dual Core 700 MHz 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 	<p>Physical</p> <ul style="list-style-type: none"> Form Factor: Desktop 4-Bay <p>Electrical</p> <ul style="list-style-type: none"> External Power Supply 100-240 AC, 50/60Hz <p>Power</p> <ul style="list-style-type: none"> Power Saving Mood Without Storage Connected HDD is off <p>Thermal</p> <ul style="list-style-type: none"> 90 Cooling fan <p>Acoustics</p> <ul style="list-style-type: none"> ≤ 4.2 BELS <p>Capacity</p> <ul style="list-style-type: none"> 6TB (TO MEET THE 60-DAYS REAL TIME RETENTION PERIOD)
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<p>BULLET CAMERA</p> <ul style="list-style-type: none"> 5MP real time video recording Lens: IRI Series – 3.6 mm Angle View: 76° (3.6 mm) Housing: Weather Proof IP66 rated Indoor/outdoor Distance 10m – 15m 			
<p>REFLECTORIZE STICKER</p> <ul style="list-style-type: none"> Size: 210mm x 297mm 			