

HEADQUARTERS  
PHILIPPINE ARMY  
PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE 2  
Fort Andres Bonifacio, Taguig City

Supplemental / Bid Bulletin No. 1

SIG PABAC2 017-23  
Procurement of CCTV Equipment

Description	Qty	ABC
6mp Bullet CCTV Camera	256 pcs	4,469,490.50
8 port POE Switch	90 pcs	
UTP Cable	38 rolls	
4 port POE Switch	72 pcs	
16 ch NVR	6 unit	
32 ch NVR	6 unit	
10TB HDD	5 pc	
Data Cabinet	7 unit	
HDMI cable 20mtrs	55 pcs	
HDMI cable 1.5mtrs	50 pcs	
6TB HDD	8 pcs	
Media Converter	80 pairs	
Fiber Optic Cable (2000mtrs)	15 rolls	
GI Pipe	64 pcs	
GI Pipe#3	53 pcs	
Fiber Optic Toolkit	2 sets	

Reference	Amendments/Inclusions
<p>Section VII. Technical Specifications</p> <p><b>Technical Specifications</b></p> <p>2.10 Monitoring Screen</p>	<p>2.10 Monitoring Screen removed from blue box.</p>

## Technical Specifications

### 2.15 GI Pipe

ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

2.10 MONITORING SCREEN	
Screen Type	• At least Smart TV systems (LED Type)
Screen Size	• Range from 40 inches to 70 inches display size
Screen Resolution	• Up to 4K 3840x2160
Aspect Ratio	• At least 16:9 ratio
Motion Rate	• Ranges from 60 to 120 Hz
Viewing Angle	• Up to 178 Degrees
I/O Ports	• At least 4x HDMI, 2x USB
2.11 CABLING/WIRING FOR CONNECTIVITY	
Cable Type	• Single core drop cable
Durability	• 3 steel wire
2.12 UNSHIELDED TWISTER PAIR (UTP) CABLES	
Cable Type	• Cat6 Pure Copper
Data Rate	• Up to 10 Gbps
2.13 Fiber Optic Toolkit	
Wire stripper	• Strippable 1-core/2-core
Cutter	• Automatic spring back, smooth cutting
2.14 6TB/10TB HDD	
Connectivity	• SATA
Digital storage capacity	• 6TB/10TB
Performance	• 3.5 inch SATA 6 GB/s 7200 RPM 256MB • Must be surveillance grade HDD
2.15 GI pipe	
Diameter	• 88.9mm
Thickness	• 3.0mm
length	• 12m
2.16 Single Core Fiber Optic Cable	
Core/Cladding	• 9/125 µm
Bandwidth	• Up to 100,000 GHZ
Distance (determined by cable, equipment & data protocol)	• Typically over 2km
benefits	• Lower loss • High signal quality • High bandwidth

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Procurement of CCTV Camera and End-Devices

### 2.15 GI Pipe removed from Blue Box

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2.10 MONITORING SCREEN	
Screen Type	• At least Smart TV systems (LED Type)
Screen Size	• Range from 40 inches to 70 inches display size
Screen Resolution	• Up to 4K 3840x2160
Aspect Ratio	• At least 16:9 ratio
Motion Rate	• Ranges from 60 to 120 Hz
Viewing Angle	• Up to 178 Degrees
I/O Ports	• At least 4x HDMI, 2x USB
2.11 CABLING/WIRING FOR CONNECTIVITY	
Cable Type	• Single core drop cable
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Connectivity	• SATA
Digital storage capacity	• 6TB/10TB
Performance	• 3.5 inch SATA 6 GB/s 7200 RPM 256MB • Must be surveillance grade HDD
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Added from Blue Box item nr 21.  
Galvanized Iron Pipe, 4 inches,  
Schedule 20, 8 feet length.

ARMY 2040: WORLD CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

12. Fiber Optic Patch Cord, SC to SC, Single Mode, Duplex	• Connector Types: SC to SC • Mode: Single mode • Configuration: Duplex
13. Optical Distribution Frame, 12 Port, SC Connector	• Port Count: 12 • Connector Type: SC
14. Optical Distribution Frame, 24 Port, SC Connector	• Port Count: 24 • Connector Type: SC
15. Optical Distribution Frame, 4 Port, SC Connector	• Port Count: 4 • Connector Type: SC
16. Optical Distribution Frame, 48 Port, SC Connector	• Port Count: 48 • Connector Type: SC
17. Polyvinyl Chloride Pipe, 4 inches	• Diameter: 4 inches
18. Polyvinyl Chloride Pipe, 3 inches	• Diameter: 3 inches
19. Polyvinyl Chloride Pipe, 2 inches	• Diameter: 2 inches
20. Polyvinyl Chloride Pipe, 1 inch	• Diameter: 1 inch
21. Galvanized Iron Pipe, 4 inches, Schedule 20, 8 feet length	• Diameter: 4 inches • Schedule: 20 • Length: 8 feet • Material: Galvanized iron
22. Galvanized Iron Pipe, 3 inches, Schedule 20, 8 feet length	• Diameter: 3 inches • Schedule: 20 • Length: 8 feet • Material: Galvanized iron
23. Galvanized Iron Pipe, 2 inches, Schedule 20, 8 feet length	• Diameter: 2 inches • Schedule: 20 • Length: 8 feet • Material: Galvanized iron
24. Stainless Steel Strapping Band	• Manufacturer's standard
25. Stainless Steel Strapping Band Buckles	• Manufacturer's standard
26. Conduit Metal U Clamp Double Hole 2 1/2" Heavy Duty	• Diameter: 2 1/2 inches • Type: Double hole U clamp • Function: Heavy duty • Material: Steel
27. Conduit Metal U Clamp Double Hole 3 1/2" Heavy Duty	• Diameter: 3 1/2 inches • Type: Double hole U clamp • Function: Heavy duty • Material: Steel
28. Conduit Metal U Clamp Double Hole 4 1/2" Heavy Duty	• Diameter: 4 1/2 inches • Type: Double hole U clamp • Function: Heavy duty • Material: Steel
29. Data Cabinet 6U	• Rack Units: 6U
30. Data Cabinet 9U	• Rack Units: 9U
31. Internet Protocol Phone	• Compatible with XORCOM IP PBX

	<p>11. Fiber Optic Patch Cord</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>11. Fiber Optic Patch Cord, SC to LC, Single Mode, Duplex</p> <ul style="list-style-type: none"> <li>• Connector Types: SC to LC</li> <li>• Mode: Single mode</li> <li>• Configuration: Duplex</li> </ul> </div> <p>1.1. ***</p>	<p>11. Fiber Optic Patch Cord, SC to LC, Single Mode, Duplex removed from blue box</p> <p><b>TECHNICAL SPECIFICATIONS FOR CABLE FACILITIES FOR AARM2024</b></p> <table border="1"> <tr> <td><b>Description:</b></td> <td>AARM's cable facility components.</td> </tr> <tr> <td><b>Application:</b></td> <td>Used to construct and maintain efficient networking and infrastructure systems for AARM.</td> </tr> <tr> <td style="text-align: center;"><b>TECHNICAL DATA</b></td> <td style="text-align: center;"><b>MINIMUM REQUIREMENT</b></td> </tr> <tr> <td>1. 3-meter Category 6 Flat Ethernet Network LAN Cable, RJ45 connector</td> <td> <ul style="list-style-type: none"> <li>• Cable Type: Category 6</li> <li>• Length: 3 meters</li> <li>• Connector Type: RJ45</li> </ul> </td> </tr> <tr> <td>2. Cable Manager</td> <td> <ul style="list-style-type: none"> <li>• Size: 1U</li> <li>• Design: Finger Duct</li> </ul> </td> </tr> <tr> <td>3. Category 6 Ethernet Wall Plate, 1 port with IO Jack</td> <td> <ul style="list-style-type: none"> <li>• Ports: 1</li> <li>• Connector Type: IO Jack</li> <li>• Compatibility: Category 6 Ethernet</li> </ul> </td> </tr> <tr> <td>4. Category 6 Ethernet Wall Plate, 2 ports with IO Jack</td> <td> <ul style="list-style-type: none"> <li>• Ports: 2</li> <li>• Connector Type: IO Jack</li> <li>• Compatibility: Category 6 Ethernet</li> </ul> </td> </tr> <tr> <td>5. Category 6 Unshielded Twisted Pair Cable, 305 meters</td> <td> <ul style="list-style-type: none"> <li>• Cable Type: Category 6 UTP</li> <li>• Length: 305 meters</li> </ul> </td> </tr> <tr> <td>6. Fiber Optic Cable, 16 Core Single Mode, Armored</td> <td> <ul style="list-style-type: none"> <li>• Core Count: 16</li> <li>• Mode: Single mode</li> <li>• Type: Armored</li> </ul> </td> </tr> <tr> <td>7. 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The Supplemental/Bid Bulletin No. 1 shall be considered an integral part of the bidding documents.

  
**ALVIN V FLORES**  
 Brigadier General, PA  
 Chairperson