



REPUBLIC OF THE PHILIPPINES
Sandiganbayan
Quezon City

APPROVED FOR POSTING:

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SUPPLEMENTAL / BID BULLETIN

ADDENDUM NO. 02-2016

Please be advised of the following clarifications / amendments to the Bidding Documents for the **Procurement of one (1) Lot IP Digital CCTV System in the amount of One Million Five Hundred Sixty Thousand Eight Hundred Seventy-Eight Pesos and 2/100 (Php1,560,878.02), inclusive of 12% Value Added Tax (VAT):**

- I. **Section III. Bid Data Sheet (page 35, nos. 5, 6 and 7), is hereby amended as follows:**

ITB Clause 29.2 (d)

Post-Qualification Documents

x x x

5. Product Brochures of all equipment except for the desktop system

6. The lowest calculated bidder (LCB) will provide at least two (2) kinds of demo units of their proposed equipment two (2) days after the opening of bids and declaration by BAC of the LCB. The submission of the demo-unit to the Sandiganbayan is necessary for the evaluation and inspection of the Technical Working Group (TWG) and the concerned end-user (Security Department). The table demo for said products shall consist of demo testing within the lobby of the Sixth (6th) Floor and inside the Conference Room, Management Information Systems Division, 6th Flr., Sandiganbayan, Commonwealth, Quezon City. In case of damage to demo unit during evaluation, Sandiganbayan will not be held accountable for such damage.

7. List of technical personnel to provide technical support during the warranty period signed by the authorized representative of the bidder, together with their personal necessary documents to wit: 1) Resume; 2) Company I.D.; and 3) NBI or Police Clearance.

II. Section III. Bid Data Sheet (page 35), is hereby amended as follows:

ITB Clause 32.4 (g)

Post-Qualification Documents

1. Authority of the person attending the bidding and authority of the signatory of the document submitted (Duly Notarized). The original Secretary's Certificate and one (1) photocopy of the same shall also be presented.

III. Section V. Special Conditions of Contract (page 52, letters "e" and "f"), is hereby amended as follows:

GCC Clause 6.2

Incidental Services

X X X

- e) In-house training of the Procuring Entity's personnel, within the Sandiganbayan premises, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- f) dismantling of previously installed CCTVs of the Procuring Entity necessary for the completion of this Contract, provided that said procedure should not entail any video recording interruption or stoppage before, during and installation of the new CCTV system.

IV. Section V. Special Conditions of Contract (page 52), is hereby amended as follows:

GCC Clause 17.3

Warranty shall be for **three (3) years** on parts and services after acceptance by the Procuring Entity of the delivered Goods.

Warranty Certificate for **three (3) years** on parts and services from the date of acceptance by the Sandiganbayan which shall include parts and labor cost and software components inclusive of licenses and updates. This shall also include quarterly preventive maintenance for the duration of the warranty period.

V. Section VI. Schedule of Requirements, is hereby amended as follows:

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Description	Qty	Total Qty	Delivered Date	Statement of Compliance
1.	Project Management and Implementation Plan	1 lot	1	Within (15) days after the receipt of Notice to Proceed	
2	IP Digital CCTV System (13) Units of 4MP HD Outdoor Fixed Bullet Camera (13) Units of 2 MP HD Indoor and Outdoor Vandal Resistant Fixed Dome Camera (31) Units of 4 MP HD Indoor and Outdoor Vandal Resistant Fixed Dome Camera (2) Units NVR, 200Mbps, Bit rate input Max (up to 32 channel IP video) 4 SATA Interface 16 independent PoE, Network Interface, Alarm I/O: 16/4, 1.5U case 19" DHCP server function and RAID 0/1/5/6 Implementation capability built in (8) Units 4TB HDD 64mb (6Gb/s) Intelli Power RPM /SATA3(CCTV Grade, 1M hours MTBF, Workload rating of 180TB/year, NVR-ready design ATA streaming support)	1 lot	1 lot	Within (30) days from the received of Notice to Proceed or Purchas Order	

<p>(2) Units 55" Full HD Smart LED Monitor display, must be manufactured by an industry recognized LED Monitor Manufacturer</p> <p>(2) Units Network Switches (with the following specs: 24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 4 fixed Gigabit Ethernet SFP ports 1 dual-personality (RJ-45 or USB micro-B) serial console port)</p> <p>(4) Units Network Switches (with the following specs: 8 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10BASE-T; IEEE 802.3u Type 100BASE-TX; IEEE 802.3ab 1000BASE-T Gigabit Ethernet) or as a SFP slot (for use with SFP transceivers) 1 dual-personality (RJ-45 or USB micro-B) serial console port)</p> <p>(4) pcs Rated UPS 2000VA</p> <p>(4) pcs Rated UPS 1000VA</p>				
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	(1) lot New Structural Cabling System including components (Racks, patch panels, provision for trays for the UPS that will provide emergency power to the switches and cameras, etc.) and works roughing-ins components like disconnection module, back panel fabrication, cable tray, pipes, bracket and supports, pull boxes connectors wires etc.,				
3	Inspection and Testing Reports, Training and all other related documents	1 lot		within (60) days after the receipt of Notice to Proceed	

Proviso: Above Schedule of Requirements is extendable to a total of one hundred twenty (120) days, subject to the approval of the Procuring Entity.

VI. Section VII. Technical Specifications, SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF IP DIGITAL CCTV SYSTEMS, is hereby amended as follows:

Section VII. Technical Specifications
SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF IP DIGITAL CCTV SYSTEMS

MINIMUM TECHNICAL SPECIFICATION			
Item	Qty	Specification	Bidders Statement of Compliance
		SCOPE OF WORK	
		a) Design of IP Digital CCTV System for the Sandiganbayan.	

- b) Supply, delivery and installation of IP Digital CCTV System including Network and Cabling System.
- c) The Contractor shall submit a Project Management and Implementation Plan within fifteen (15) days after receipt of Notice to Proceed for approval by the End User. The plan should include :
- Project Schedule (Gantt chart) for 105 days
 - Implementation Plan
 - Schedule of Equipment Delivery (Gantt chart)
 - List of Personnel
 - System Design (including power, bandwidth and storage calculation)
 - Acceptance Test Plan
 - Training Plan
- d) The Contractor shall be solely responsible for having properly assessed the entire system requirements. Any equipment or device not specifically mentioned in the specifications or not shown on the contract drawings or any insufficiencies (e.g. UPS power rating), but deemed necessary for the satisfactory operation of the system shall be provided by the Contractor. All cost of such equipment shall be included in the contract price.
- e) The Contractor shall appoint a competent person as project manager who is fully knowledgeable in the administration and implementation of a project of this type. Contractor's technical personnel such as engineers and technicians must be certified. Must submit resume and certification.
- f) The Contractor shall be responsible for the proper removal, inventory and turn-over of all existing analog CCTV equipment and materials.
- g) The Contractor shall take necessary precaution and observe the highest safety standard to ensure that there is no damage to existing facilities in any form, his workers,

Sandiganbayan employees and members. Any damage resulting from activities related to this project shall be shouldered by the Contractor.

h) Minor renovation/refurbishment of the control room is part of the project. This includes, but not limited to provision of air-conditioning unit (split type with inverter), painting of walls, refurbishment/provision of command center table and chairs and whatever is necessary to at least bring the control room to its proper state.

i) The Contractor shall provide suitable safety and protection devices (e.g. dehumidifier, power surge arrestors, lightning protection and line conditioners) if deemed necessary, to prolong the life of IP Digital CCTV System equipment.

j) Upon completion of the project the Contractor shall submit to the End User :

- All the programmed settings and configurations of all cameras, VMS servers, workstations, switches and any other programmable equipment within the systems
- Inventory of equipment that includes manufacturer, model and serial number.

k) Civil works related with IP Digital CCTV.

l) All works to be done shall have prior approval of the end user otherwise all damages shall be for the contractor's risk. Contractor is also required to submit weekly status reports showing progress against project plan.

m) Other services to prepare the accommodation for the completeness of installation of the IP Digital CCTV System.

SYSTEM GENERAL REQUIREMENTS

- a) All materials equipment, components and devices shall be new and unused, of current manufacture and first class quality.
- b) All major components of the IP Digital CCTV System (IP Camera, Storage, VMS software) must be of the same brand for purposes of homogenous and optimized performance.
- c) All materials, equipment, components and devices shall be clearly marked and be suitable for the electrical power supply system to which it will be connected.
- d) The proposed manufacturer (for cameras and video management software) should have operated internationally for at least 8 years. OEM business is not considered an international operation.
- e) The manufacturer of all equipment shall be ISO certified.
- f) The manufacturer of the Cabling System shall issue a certification that it is compliant with ANSI/TIA/EIA 568 – B and that the Contractor is a Certified Installer.
- g) The Contractor must be at least ten (10) years in the surveillance equipment business.
- h) All power cables, electrical pipes, and other electrical materials shall be rated according to the latest existing Philippine Electrical Code (PEC), the Fire Code of the Philippines & Regulations, and applicable local ordinances of Quezon City.
- i) Contractor shall submit a certification from the manufacturer that the equipment being offered will be supported for at

least for five (5) years from the time of project acceptance in terms of spare parts availability and service.

- j) The system offered must be complete and devoid of any recurring licensing fees for software or hardware. License must be perpetual.
- k) Neat and tidy installation of all equipment and cabling. The Contractor shall ensure that within all consoles, cabinets, etc. all cables are neatly dressed, labeled and detailed in a schedule.
- l) All cabling works in the fifth (5th) Floor which is due for renovation sometime next year 2017, of the Sandiganbayan shall be permanent, provided that each cable should have an excess provision located at the end point for the attachment of CCTV cameras. The resident Sandiganbayan Engineer shall supervise the cabling works and power supply installation. The Contract shall include the winning bidder's undertaking of repositioning, if necessary, the CCTV cameras to the full satisfaction of the Procuring Entity after the renovation of the fifth (5th) Floor of the Sandiganbayan.

OTHER REQUIREMENTS

The Contractor shall design and provide remote monitoring access for Control Room (including equipment) for approval by the End User. The assigned personnel shall be able to monitor all camera views within the Control room areas only. The user access shall be limited to certain functions like live-viewing, playback, and snapshot.

- The Contractor shall provide a list of all tools that will be brought in and out of the Sandiganbayan premise. No tools shall be provided by the End User.
- Provision of a photo printer (inkjet type with copier and scanner) and anti-virus software compatible to the system.
- Provision of appropriate CCTV signage for approval by the End User.
- Bidders must secure a Certificate of Site Survey to be issued by the Procuring Entity and this must be attached in the bid.

WARRANTY AND SUPPORT SERVICES

- a) The entire system must have **three (3) years warranty** for both hardware (includes parts and labor) and software

components inclusive of licenses and updates. This includes a quarterly preventive maintenance for the duration of the warranty period.

- b) Warranty is inclusive of 24 x 7 technical supports, one (1) hour response time upon receipt of call and four (4) hours on-site support.
- c) Contractor must ensure 24 x 7 availability of spare parts in case of system malfunction.
- d) Must provide free service unit during the maintenance period in case the defective unit cannot be repaired onsite within 24 hours.
- e) Immediate replacement must be done in case the hardware has already been repaired twice within the first year of the warranty period and still defective.
- f) Contractor must have locally available certified, qualified and experienced personnel to provide technical support during the warranty period.
- g) Contractor must have a help desk support system in place to accommodate Sandiganbayan technical requests. The help desk system will provide tickets for each technical request or issues and will provide continuous status updates and reports until resolution. Help desk must be available 24 x 7 including weekends and holidays.
- h) Contractor must provide procedures on support and problem escalation.
- i) Warranty of all active and passive equipment must be carried by the manufacturer (apart from bidder's warranty) for at least **three (3) years**.

- j) Warranty shall be deemed to commence from the date of successful completion and acceptance test conducted by the End-User.
- k) During the warranty period, it will be the contractor's responsibility to rectify all defects and updates to the system by incorporating patches, upgrades, repairs and updates as released by manufacturer or as found necessary by Sandiganbayan to ensure continuous performance of the whole system.

TRAININGS AND DOCUMENTATION

- a) Training of the entire system must be done for the assigned Sandiganbayan Personnel and operators. Training and course materials shall include configuration and operation of IP surveillance equipment such as cameras, network video recorders/servers, workstations and other equipment supplied.
- b) Must include hands on training that shall be comprehensive enough and includes system administration, maintenance, troubleshooting, calibration, programming and repair of the IP digital CCTV System for continuous operation of the system.
- c) Must provide manufacturer's certification training for maximum of five (5) Sandiganbayan personnel and all cost related shall be part of the bid.
- d) Training for operational procedures and management of the control room shall be included.
- e) All expenses (transportation, food and lodging, etc.) relative to all trainings shall be shouldered by the Contractor.

f) All training materials/hand-outs/manuals shall be provided by the Contractor.

g) Manuals and technical documents of the entire system component shall be provided during the handover.

SUBMITTALS

The Contractor shall submit the following, the particulars of which are also listed in a separate ELIGIBILITY DOCUMENTS EVALUATION FORMS checklist which shall also form part of the bidding document:

(See attached ELIGIBILITY DOCUMENTS EVALUATION FORMS)

a) Project Management and Implementation Plan

- Project Schedule (Gantt chart)
- Implementation Plan
- Schedule of Equipment Delivery (Gantt chart)
- List of Personnel
- System Design (including power, storage and bandwidth calculation)
- Acceptance Test Plan
- Training Plan

b) Certifications

- Certificate of quality assurance from the product manufacturer (e.g. ISO, UL, RoHS or other international standard issuing authorities).
- Certification from the Manufacturer attesting full support in supplying spare parts, accessories, and related items of the equipment for at least five (5) years or more after its delivery, as well as after sales service.
- Original Letter of Warranty Support from the Cabling System Manufacturer stating that the cabling Installation of the bidder shall be supported by at least 20-year Manufacturer's Warranty.
- Certification that all test tools that would be used in the acceptance testing must have been calibrated by the tool manufacturer or by a testing entity not earlier than January 2015.

c) As built Drawings (certified by professional engineers)

- First Line Diagram and/or System Block Diagram
- Cabling and Wiring Diagrams
- Connection Diagrams
- Floor Plans & Sectional installation details including control console.

d) Turn Over Document

- Detail settings and configuration of all programmable equipment in the system.
- Operation manual and other technical documents
- Product brochures and catalogues Documentation must be provided in two (2) hard copies and a soft copy in Word, Excel, or PDF formats, as appropriate.

INSPECTION, TESTING AND COMMISSIONING

On completion of installation, all equipment and installations shall be inspected jointly by the End User and Contractor for their correctness and completeness at the site of installation during acceptance tests.

ACCEPTANCE TEST

1. The Contractor shall design the test procedures and plans to ensure that the IP Digital CCTV System installed is of high quality standard and meet all requirements specified in the contract documents.

Acceptance Test procedure and result sheets shall be provided by the Contractor for approval by the End User at least two (2) weeks before the start of the testing.

All test tools used in the acceptance testing must have been calibrated by the tool manufacturer or by a testing entity not earlier than January 2016.

All primary equipment such as camera, network video recorder /servers, workstations, power supply, switches and cabling system shall be fully tested. The test shall demonstrate the performance, reliability and functionality of equipment tested and the system as a whole.

Any other tests, as End User may deem fit so as to confirm the performance or to establish the compliance to technical specifications of either individual hardware items or integrated operation of IP Digital CCTV System shall be conducted by the Contractor at site. If the results of these tests show any defect/deficiency/deviation on the specifications, the Contractor shall do the modification/replacement/addition necessary to make the system compliant to specifications at no additional cost to Sandiganbayan.

Fully documented and recorded test results shall be provided to the End User prior to final acceptance.

7. All hardware and software comprising the IP Digital CCTV System installed shall be put on reliability test for thirty (30) days before the End User issues the certificate of successful commissioning.

TURNOVER

The final turnover of the system will occur only once the system has been fully tested, commissioned, operational, and all assigned personnel have been fully trained in system operation. A Certificate of Completion and Acceptance will then be issued.

Payment Terms

Full payment will be made to Supplier upon submission of the Certificate of completion and acceptance of the project issued by the Chief Judicial Staff Officer, Sheriff & Security Division of the Sandiganbayan Payments shall be subject to applicable taxes.

Item	Qty	Specification	Bidders Statement of Compliance
1	13	<p><u>Thirteen (13) Units of 2MP HD Outdoor Fixed Bullet Camera</u></p> <p>4MP, IR Bullet Camera , Fixed Lens ,1/3" Progressive CMOS, ICR 0Lux with IR, 1920x1080:25fps(P)/30fps 9(N),4mm/F2.0lens (2.8mm,4mm optional) H.264/MJPEG, dual-stream, IP66, DV12V & PoE, DWDR,3D DNR, BLC, IR range; up to 30m, Support on board storage, support, Mobile Monitoring via EZVIZP2P</p> <ol style="list-style-type: none"> 1. Fixed camera must be a true day/night camera with IR cut filter with auto switch functionality. 2. Fixed camera must utilize at least 4mm,2-megapixel lens. 3. Fixed camera must offer 1080 HD resolution 4. Fixed camera must offer video motion analysis with Motion+ standard. 5. Dome camera must have basic video analytics capabilities such as Intrusion Detection, Line Crossing, Motion Detection and Video Tampering. 6. Fixed camera must provide video tampering detection. 7. Fixed camera must have basic analytics (line crossing, intrusion detection). 8. Fixed camera must provide DWDR to improve visibility of high contrast scenes (dark objects against a light background and the reverse). 9. Fixed camera must have at least 4 configurable ROI areas. 10. Fixed camera must have image settings with rotate mode functionality, saturation, brightness, contrast adjustable by client software or web browser. 11. Fixed camera shall be capable of continuous recording, alarm/events/schedule recording. 12. Fixed camera must offer a 1/3" progressive scan CMOS image sensor. 13. Fixed camera must offer the following minimum sensitivity with 0.07Lux @ (F1.2, AGC ON) ,0 Lux with IR. 14. Fixed camera must use dynamic noise reduction to actively analyze the contents of a scene and reduce noise artifacts accordingly. 15. Fixed camera must provide the most usable image possible by cleverly optimizing the detail-to-bandwidth ratio. 16. Fixed camera must use to improve image quality in all lighting conditions. 	

		<ol style="list-style-type: none"> 17. Fixed camera must be capable of detecting and sending alarms for abnormal events. 18. Fixed camera must have minimum 30m IR range. 19. Fixed camera must offer video motion analysis that uses an algorithm based on pixel change and includes object size filtering and tamper-detection capabilities. 20. Fixed camera must offer periodic JPEG image posting to an FTP server. 21. Fixed camera must have dual stream functionality. 22. Fixed camera must support NAS (Support NFS, SMB/CIFS). 23. Fixed camera must have a micro SD card slot that uses standard; off-the-shelf micro SD (SDHC and SDXC) cards for local storage (up to 128GB). 24. Fixed camera must accept 12 VDC or Power over Ethernet. 25. Fixed camera must consume 7 W (max.). 26. Fixed camera must be IP66 level protection. 27. Fixed camera must offer electronic shutter for different surveillance needs. 28. Fixed camera must offer other functions: alarm, reset button, mirror, etc. 	
2	13	<p><u>Thirteen (13) Units of HD Indoor and Outdoor Vandal Resistant 2 MP Fixed Dome Camera</u></p> <p>2 MP, IR Fix Dome Camera , Fixed Lens ,1/3" Progressive CMOS, ICR 0Lux with IR, 1280x96:25fps(p)/30fps 9(N),6mm/F2.0lens (2.8mm,4mm optional) H.264/MJPEG, dual-stream, IP66, DV12V & PoE, DWDR,3D DNR, BLC, IR range; up to 30m, Support on board storage, support, Mobile Monitoring via EZVIZP2P</p> <ol style="list-style-type: none"> 1. Dome camera must be vandal resistant 2. Dome camera must utilize a 1/2.8" Progressive Scan CMOS. 3. Dome camera must produce a resolution of 1280 x 720 pixels (HD 720p) 1.3megapixelsresolution. 4. Dome camera must have impact protection: IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10. 5. Dome camera must have basic video analytics capabilities such as Intrusion Detection, Line Crossing, Motion Detection and Video Tampering. 6. Dome camera must support NAS (Support NFS, SMB/CIFS). 7. Dome camera must offer intelligent noise reduction to reduce bandwidth and storage requirements by up to 50%. 8. Dome camera must have regions of interest to see clearly and reduced bandwidth and storage requirements. 	

		<ol style="list-style-type: none"> 9. Dome camera must have BLC or Digital Wide Dynamic Range functionality. 10. Dome camera resistant HD camera must produce images with 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR 0.028Lux @ (F2.0, AGC ON) ,0 Lux with IR. 11. Dome camera shall provide a true day/night camera with IR cut filter auto switch functionality. 12. Dome camera shall optimize scenes with fluctuating front and back light illumination. 13. Dome camera shall must have dual stream functionality. 14. Dome camera shall have a micro SD card slot that uses standard; off-the-shelf micro SD (SDHC and SDXC) cards for local storage (up to 128 GB). 15. Dome camera shall be capable of continuous recording, alarm/events/schedule recording. 16. Dome camera must accept 12 VDC or Power over Ethernet. 	
3	31 pcs	<p><u>Thirty-One (31) Units of HD Indoor and Outdoor Vandal Resistant 4 MP Fixed Dome Camera</u></p> <p>4 MP, IR Fix Dome Camera , Fixed Lens ,1/3" Progressive CMOS, ICR 0Lux with IR, 1920x1080:25fps(P)/30fps 9(N),4mm/F2.0lens (2.8mm,4mm optional) H.264/MJPEG, dual-stream, IP66, DV12V & PoE, DWDR,3D DNR, BLC, IR range; up to 30m, Support on board storage, support, Mobile Monitoring via EZVIZP2P.</p> <ol style="list-style-type: none"> 1. Dome camera must be vandal resistant 2. Dome camera must utilize a 1/2.8" Progressive Scan CMOS. 3. Dome camera must produce a resolution of 2 megapixels (1920 x 1080) resolution. 4. Dome camera must have impact protection: IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10. 5. Dome camera must support NAS (Support NFS, SMB/CIFS). 6. Dome camera must offer intelligent noise reduction to reduce bandwidth and storage requirements by up to 50%. 7. Dome camera must have regions of interest to see clearly and reduced bandwidth and storage requirements. 8. Dome camera must have BLC or Digital Wide Dynamic Range functionality. 9. Dome camera resistant HD camera must produce images with 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR 0.028Lux @ (F2.0, AGC ON) ,0 Lux with IR. 	

		<p>10. Dome camera shall provide a true day/night camera with IR cut filter auto switch functionality.</p> <p>11. Dome camera shall optimize scenes with fluctuating front and back light illumination.</p> <p>12. Dome camera shall must have dual stream functionality.</p> <p>13. Dome camera shall have a micro SD card slot that uses standard; off-the-shelf micro SD (SDHC and SDXC) cards for local storage (up to 128 GB).</p> <p>14. Dome camera shall be capable of continuous recording, alarm/events/schedule recording.</p> <p>15. Dome camera must accept 12 VDC or Power over Ethernet.</p>	
4	2 pcs	NVR, 200Mbps, Bit rate input Max (up to 32 channel IP video) 4 SATA Interface 16 independent PoE, Network Interface, Alarm I/O: 16/4, 1.5U case 19" DHCP server function and RAID 0/1/5/6 Implementation capability built in	
5	8pcs	4TB HDD 64mb (6Gb/s) Intelli Power RPM SATA3 (CCTV Grade, 1M hours MTBF, Workload rating of 180TB/year, NVR-ready design ATA streaming support)	
6	2 pcs	55" Full HD LED Monitor display, Must be manufactured by an industry recognized LED Monitor Manufacturer	
7	2 pcs	<p>Network Switch (with the following specs: 24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only</p> <p>4 fixed Gigabit Ethernet SFP ports</p> <p>1 dual-personality (RJ-45 or USB micro-B) serial console port)</p>	
8	4 pcs	Network Switch (with the following specs: 8 RJ-45 autosensing 10/100/1000 PoE+	

		<p>ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only</p> <p>2 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10BASE-T; IEEE 802.3u Type 100BASE-TX; IEEE 802.3ab 1000BASE-T Gigabit Ethernet) or as a SFP slot (for use with SFP transceivers)</p> <p>1 dual-personality (RJ-45 or USB micro-B) serial console port)</p>	
9	1 lot	Dismantling of old Analog CCTV system, and integration of the four (4) unit IP PTZ Camera to the new system shall be provided by the winning bidder.	
10	4 pcs	Rated UPS 1000 VA	
11	4 pcs	Rated UPS 2000 VA	
12	1 lot	<p>New Structural Cabling System Including Components (Racks or Cabinets, patch panels, provision for trays for the UPSes that will provide emergency power to the switches and cameras, etc.) and works Roughing-Ins Components shall provide by the contractor like Disconnection module, back panel fabrication, cable tray, pipes, bracket and supports, Pull boxes connectors, and civil works (Cable specs as follows: CAT6+ (600MHz), 4-Bonded-Pairs, U/UTP-Unshielded, Plenum-CMP, Premise Horizontal Cable, 23 AWG Solid Bare Copper Conductors, FEP Insulation, Patented E-Spline, Ripcord, Flamarrest® Jacket) (Horizontal Cable Piping should have 19 mm. diameter installed complete with hangers</p>	

		and brackets for attachment to concrete ceiling. No flexible hose shall be utilized for any length of cable.)	
13	1 lot	Service-deployment and configuration like Installation, Programming, Testing, Commissioning and Admin Training for the new equipment shall be provided by the winning contractor	

This Addendum No. 02-2016 is issued to modify or amend the Bidding Documents for the **Procurement of one (1) Lot IP Digital CCTV System in the amount of One Million Five Hundred Sixty Thousand Eight Hundred Seventy-Eight Pesos and 2/100 (Php1,560,878.02), inclusive of 12% VAT**, and shall form an integral part of the Bidding Documents.

For guidance and information of all concerned.

October 24, 2016.

Prepared by:



WINDSOR P. PAMORCA
Member, Ad Hoc BAC Secretariat

Approved by:



ATTY. MA. TERESA S. PABULAYAN *g.*
BAC Chairperson
Executive Clerk of Court IV