

**SUPPLEMENTAL/BID BULLETIN NO. 2
For LBP-GIBAC-ITB-GS-20230906-01**

PROJECT : Closed Circuit Television (CCTV) System Upgrade for
LANDBANK Plaza Building


IMPLEMENTOR : HOBAC Secretariat Unit

DATE : November 30, 2023

This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an integral part of the Bid Documents.

Modifications, amendments and/or clarifications:

- 1) The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) The Terms of Reference (Annexes D-1 to D-8), Schedule of Requirements (Section VI), Technical Specifications (Section VII), Schedule of Prices (Form No. 2 – For Goods Offered from Within the Philippines and From Abroad), Bill of Quantities (Annex E) and Checklist of Bidding Documents (Item Nos. 11 & 12 of Technical Documents and Item Nos. 2 & 3 of Financial Component) have been revised. Please see attached revised Annexes D-1 to D-8, Annex E and specific sections of the bidding documents.
- 3) Responses to bidders' queries/clarifications per Annexes G-1 to G-2.
- 4) The submission and opening of bids is re-scheduled on December 7, 2023 at 10:00 A.M. through videoconferencing using Microsoft (MS) Teams.
- 5) The Project Identification No. has been changed from LBP-HOBAC-ITB-GS-20230906-01 to LBP-GIBAC-ITB-GS-20230906-01.


ATTY. HONORIO T. DIAZ, JR.
Head, HOBAC Secretariat Unit

Schedule of Requirements

The delivery schedule/contract period expressed as weeks/months/years stipulates hereafter a delivery/performance period which is the period within which to deliver the goods or perform the services in the project site/s.

| Lot No. | Description | Quantity | Delivered, Weeks/Months |
|--|---|---|---|
| One (1) Lot | Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building | Refer to revised Bill of Quantities (Annex E) | Within Ninety (90) calendar days upon receipt of Notice to Proceed and Advice from LANDBANK Security Department |
| <p>Delivery Site: LANDBANK Plaza Building 1598 M.H. Del Pilar cor. Dr. J Quintos Sts. Malate, Manila</p> <p>Contact Person: VP Romulo P. Sapitula Head, LANDBANK Security Department</p> <p>Contact Nos.: 8-522-0000 locals 2325 & 2633</p> | | | |

Conforme:

Name of Bidder

Signature Over Printed Name of
Authorized Representative

Position

Technical Specifications

| Specifications | Statement of Compliance |
|---|---|
| <p>Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building</p> <ol style="list-style-type: none">1. Scope of works, minimum specifications, and other requirements per attached Revised Terms of Reference (Annexes D-1 to D-8) and Revised Bill of Quantities (Annex E).2. Documentary requirements enumerated in Revised Annex D-3 of the Terms of Reference. <p>Non-submission of the above documents/requirements may result in the post-disqualification of the bidder.</p> | <p>Bidders must state below either "Comply" or "Not Comply" against each of the individual parameters of each Specification preferably stating the corresponding performance parameter of the product offered.</p> <p>Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p> |

Conforme:

Name of Bidder

Signature over Printed Name of
Authorized Representative

Position

Form No.

SCHEDULE OF PRICES For Goods Offered from Within the Philippines

Name of Bidder _____

Project ID No. _____

Page ____ of ____

| 1 Lot No. | 2 Description | 3 Country of Origin | 4 Quantity | 5 Unit Price (EXW) | 6 Transportation and Insurance and all other costs incidental to delivery, per item | 7 Sales and other taxes payable if Contract is awarded, per item | 8 Cost of Incidental Services, if applicable, per item | 9 Total Price, per unit (col 5+6+7+8) | 10 Total Price delivered Final Destinatio n (col 9) x (col 4) |
|-----------------|---|---------------------------|---|-----------------------------|---|--|---|--|--|
| 1 | Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building | _____ | One (1) Lot Refer to the Revised Bill of Quantities (Annex E) for the detailed breakdown of components and Contract Price | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP _____ |

Note: Duly accomplished Revised Bill of Quantities Form (Annex E) shall be submitted.
Non-Submission of this document may be a ground for a "Failed" rating of the bid.

Please credit payment to:

Name of Bidder

Account Name:

Signature over Printed Name of
Authorized Representative

Account Number:

Position

LBP Branch:

Form No. 2

SCHEDULE OF PRICES For Goods Offered from Abroad

Name of Bidder _____

Project ID No. _____

Page _____ of _____

| 1 Item | 2 Description | 3 Country of Origin | 4 Quantity | 5 Unit Price* CIF port of entry (specify port) or CIP named place (specify border point or place of destination) | 6 Transportation and Insurance and all other costs incidental to delivery, per item | 7 Sales and other taxes payable if Contract is awarded, per item | 8 Cost of Incidental Services, if applicable, per item | 9 Total Price, per unit (col 5+6+7+8) | 10 Total Price delivered Final Destination (col 9) x (col 4) |
|-----------|---|---------------------------|---|---|--|---|---|--|--|
| 1 | Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building | _____ | One (1) Lot Refer to the Revised Bill of Quantities (Annex E) for the detailed breakdown of components and Contract Price | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP NA _____ | PhP _____ |

Note: Duly accomplished Revised Bill of Quantities Form (Annex E) shall be submitted.
Non-Submission of this document may be a ground for a "Failed" rating of the bid.

Please credit payment to:

Name of Bidder

Account Name:

Signature over Printed Name of
Authorized Representative

Account Number:

Position

LBP Branch:

Checklist of Bidding Documents for Procurement of Goods and Services

The documents for each component should be arranged as per this Checklist. Kindly provide guides or dividers with appropriate labels.

Eligibility and Technical Components (PDF File)

- *The Eligibility and Technical Component shall contain documents sequentially arranged as follows:*

- **Eligibility Documents – Class “A”**

Legal Eligibility Documents

1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages).

Technical Eligibility Documents

2. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder. (sample form - Form No. 7).
3. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, within the last five (5) years from the date of submission and receipt of bids. The statement shall include all information required in the sample form (Form No. 3).
4. Statement of the prospective bidder identifying its Single Largest Completed Contract (SLCC) similar to the contract to be bid within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the sample form (Form No. 4).

Financial Eligibility Documents

5. The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.
6. The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of

Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

○ **Eligibility Documents – Class “B”**

7. Duly signed valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.
8. For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos, Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
9. Certification from the DTI if the Bidder claims preference as a Domestic Bidder.

○ **Technical Documents**

10. Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
11. **Revised Section VI – Schedule of Requirements with signature of bidder's authorized representative.**
12. **Revised Section VII – Specifications with response on compliance and signature of bidder's authorized representative.**
13. Duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6)

Note: During the opening of the first bid envelope (Eligibility and Technical Component) only the above mentioned documents will be checked by the BAC if they are all present using a non-discretionary “pass/fail” criterion to determine each bidder's compliance with the documents required to be submitted for eligibility and the technical requirements.

- **Other Documents to Support Compliance with Technical Specifications [must be submitted inside the first bid envelope (Eligibility and Technical Component)]**
 14. Purchase Orders, contracts or other official documents to prove that the bidder has at least five (5) years experience in supply, delivery and installation of CCTV System.
 15. Brochure or other official documents coming from the manufacturer indicating the specifications of the product being offered.
 16. Two (2) Certificates of Satisfactory Performance (CSP) as proof that the bidder has obtained satisfactory rating from at least two (2) previous clients/customers. (Date of issuance of CSP must be January 1, 2023 to present date.)
- **Post-Qualification Documents/Requirements – [The bidder may submit the following documents/requirements within five (5) calendar days after receipt of Notice of Post-Qualification]:**
 17. Business Tax Returns per Revenue Regulations 3-2005 (BIR No.2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters filed manually or through EFPS.
 18. Latest Income Tax Return filed manually or through EFPS.
 19. Original copy of Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
 20. Original copy of duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6).
 21. Duly notarized Secretary's Certificate designating the authorized signatory in the Contract Agreement if the same is other than the bidder's authorized signatory in the bidding (sample form – Form No. 7).
 22. Conduct of Proof of Concept (PoC) for a duration of not less than five (5) calendar days to ensure that the proposed equipment is compatible with the existing system and compliant with the prescribed minimum technical specifications.

Financial Component (PDF File)

- ***The Financial Component shall contain documents sequentially arranged as follows:***
 1. Duly filled out Bid Form signed by the Bidder's authorized representative (sample form - Form No.1).
 2. Duly filled out revised Schedule of Prices signed by the Bidder's authorized representative (sample form - Form No.2).

3. Dully filled out **Revised Bill of Quantities Form (Annex E)** signed by the Bidder's authorized representative.

Note: The forms attached to the Bidding Documents may be reproduced or reformatted provided the information required in the original forms and other requirements like signatures, if applicable, are complied with in the submittal.

TERMS OF REFERENCE**LANDBANK Plaza Security Control Room
CCTV System Equipment Upgrade**

i. **Project Description:** Supply, Delivery, Installation and Activation of Additional CCTV System Cameras and Equipment for LANDBANK Plaza Security Control Room.

ii. **Objectives:**

- a. The project aims to rehabilitate and replace the ageing cameras, wires, servers, network switches and CCTV equipment installed;
- b. The project is designed to have a reliable CCTV system that operates continuously 24/7 with available fail-over equipment - ensuring very minimal downtime;
- c. Ensures that physical and document security measures are implemented and monitored with the use of modern monitoring technology using CCTV cameras;

iii. **Scope of the Project:**

- a. Supply, Delivery and Installation of the prescribed CCTV cameras, switches, and equipment listed in the Bill of Quantities;
- b. Configuration, activation and system integration, testing and commissioning of the abovementioned CCTV devices;
- c. LAN cable installation for new cameras and replacement of new cables for the existing CCTV IP Cameras and switches;
- d. Clean up of work areas;
- e. Conduct of orientation to respective LANDBANK Security Department (LBP-SD) personnel of system usage and first level maintenance.

iv. **Bill of Quantities:**

| | CCTV equipment | Quantity |
|---|--|-----------------|
| 1 | Fisheye 12MP IP Camera (137 +23 spares) | 160 |
| 2 | 4MP Dome Indoor IP Camera (65 + 5 spares) | 17 |
| 3 | 4MP Bullet Outdoor IP Camera (65 + 5 spares) | 16 |
| 4 | 4MP ANPR Intelligent Entrance Video Unit (4 +1 spare) | 5 |
| 5 | 128GB Micro SD Card | 198 |
| 6 | Fail-over (spare) 128GB Micro SD Cards | 10 |
| 7 | 8TB External Hard Disk Drive | 3 |
| 8 | 32-Channel Network Video Recorder (16HDD slots x 10TB) | 16 |
| 9 | 10TB Surveillance-grade HDD (18 NVRs x 16HDDs) | 288 |

| | | |
|----|---|-------|
| 10 | Fail-over /spare surveillance-grade HDD | 10 |
| 11 | Fail-over 32-Channel NVR | 2 |
| 12 | Video Management Server with Monitor | 1 |
| 13 | 16-port Pure Power over Ethernet Switch | 40 |
| 14 | Fail-over /spare 16-port PoE | 10 |
| 15 | 48-port Pure Power over Ethernet Switch | 16 |
| 16 | Fail-over spare 48-port PoE | 4 |
| 17 | Wiring and Installation Materials | 198 |
| 18 | Re-wiring of existing 192 cameras | 192 |
| 19 | Labor Cost (Cameras) | 198 |
| 20 | Labor Cost (PoE Switches) | 70 |
| 21 | Mobilization Cost | 381 |
| 22 | Configuration and Testing (Servers, Switches Monitors and Cameras) | 381 |
| 23 | Quarterly Preventive Maintenance (Servers, Switches, UPS and Cameras) for Three (3) Years | 4,572 |
| 24 | 12U Data Cabinet for PoE Switches (IDF) | 56 |
| 25 | 1KVA UPS for IDF | 56 |
| 26 | 3KVA UPS for Security Control Room (SCR) | 1 |
| 27 | 55" LFD Monitor including brackets and HDMI Cable (Length: 10 meters) | 16 |
| 28 | Smart Wall Module Package | 1 |
| 29 | Fail-over CCTV Monitors | 2 |
| 30 | Central Power Supply Station | 1 |
| 31 | Operator Console (for 2 operators) | 1 |
| 32 | Network Attached Storage 64-bit 4GB DDR4 8TB x 24 slots | 16 |
| 33 | 32U Data Cabinet for NVRs | 2 |

v. Warranty and After-Sales Services:

- a. Equipment supplied must be covered by warranty against manufacturing defects and workmanship:
 - 1) CCTV IP Cameras: One (1) Year Warranty
 - 2) Network Video Recorders (incl HDD): Three (3) Years Warranty
 - 3) Power over Ethernet Switches: Three (3) Years Warranty
 - 4) Monitors: Three (3) Years Warranty
 - 5) External HDD: Three (3) Years Warranty
 - 6) Micro SD Card: Two (2) Years Warranty
 - 7) Cables: Two (2) Years Warranty
- b. Conduct of Quarterly Preventive Maintenance for three (3) years after the project acceptance to all the installed and existing CCTV equipment such as: NVR/servers, Switches, UPS, NAS, and Cameras (incl LAN cables), etc.
- c. Immediate deployment of competent Service Technicians in case malfunction of the equipment. Response time must be within two (2) hours upon receipt of notification from the LANDBANK Security Department.

vi. Inspection Period

- a. Prospective providers must conduct a one (1) day ocular/ inspection at the LBP Plaza to assess and conduct thorough examination of the area to ensure compliance with SD's standards. Upon completion of inspection, a Certificate of Inspection will be issued by SD to the provider.
- b. A request for Inspection must be submitted to the HOBAC Secretariat and will then be forwarded to SD for confirmation.

vii. Delivery Period:

- a. Ninety (90) calendar days upon receipt of the Notice to Proceed (NTP) from the LBP Procurement Department (LBP-ProcD) and issuance of advisory /letter from the LBP Security Department (LBP-SD).

viii. Supplier's Qualification Requirements:

| Qualifications | Documentary Requirements |
|---|---|
| 1. Must have experience of at least five (5) years in the supply, delivery, installation and activation of CCTV System Devices /Equipment. | Purchase order, Contracts or equivalent documents and must submit brochures for the proposed equipment. |
| 2. Must be satisfactorily rated by at least two (2) previous clients /customers. (subject to validation) | Two (2) Certificates of Satisfactory Performance. Date of issuance: January 1, 2023 to present date. |
| 3. Lowest calculated bidder must conduct proof of concept (PoC) for a duration of not less than five (5) calendar days. All related equipment for the PoC must be installed and operational at the LBP Security Control Room (LBP-SCR) in three (3) calendar days after receipt of Notice of Post-Qualification from the HOBAC Secretariat. The PoC is necessary to ensure that the proposed equipment is compatible with the existing system and compliant with the prescribed minimum technical specifications. | Evaluation report submitted by LANDBANK- Security Department. |

ix. Other Terms and Conditions:

a. The supplier/service provider shall:

- 1) Coordinate with the LBP-SD and LBP Facilities Management Department (LBP-FMD) for schedules and project briefing. Work authorization permit/s must be secured from prior to any mobilization. Work schedule is from 6:00 PM onwards during weekdays and 8:00 AM to 5:00 PM on weekends, provided it will not cause any disruption in the operations of the Bank, otherwise, adjustments in schedules shall be made accordingly;
- 2) Be liable and solely responsible for any harm, damage and injury that may be incurred or suffered by its own crew/workers or any other person during the implementation of the project and to any damage to the Bank's property arising from the acts whether partial, contributory or due entirely to the fault, negligence and/or dishonesty of its workers in the course of their duties;
- 3) Maintain cleanliness at all times and shall be responsible for the collection and proper disposal (outside of the Bank premises) of all waste materials resulting from any activity related to the implementation of the project, in compliance with the Bank's Environmental Management System (EMS) requirements as well as the covering policies, rules and regulations of the Department of Environment and Natural Resources (DENR) and the Environmental Management Bureau (EMB), respectively;
- 4) Be bounded by and shall strictly observe the Bank's existing rules and regulations with regard to the standard security policies, procedures, and confidentiality /non-disclosure agreements, respectively.

x. Minimum Technical Specifications:

a. **Network Video Recorder (NVR)**

| | |
|--|---|
| ✓ Ø Supports local storage at H.265+ compression or better | |
| ✓ Ø Supports thirty two (32) cameras or more | |
| ✓ Ø Sixteen (16) SATA interface for HDD connection | |
| ✓ Ø HDD hot swapping with RAID 0/1/5/6/10 | |
| ✓ Ø Up to 1-ch@32 MP/2-ch@12 MP/16-ch@1080p decoding capacity | |
| ✓ Ø Compatible with IVMS 4000 software or better | |
| ✓ Ø Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting | |
| ✓ Ø 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces | |
| ✓ Ø 10TB surveillance-grade SATA HDD for each 16 slots | |
| Video Output | VGA and HDMI compatible |
| Voltage | Auto-volt 100 to 240V |
| Warranty | Three (3) Years warranty against manufacturing and installation defects |

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b. Video Management Server with Monitor

(Purpose: for retrieval of video footages from the recording NVR servers)

Specifications:

Operating System = Windows Server 2019 64-bit

CPU = Intel Xeon E-2324G @ 3.10 GHz

RAM = 16GB

HDD for OS = 1TB SATA-II 7200 RPM Enterprise Class

HDD for Storage = 4TB Enterprise-class HDD or high performance network HDD. It should support writing or reading of 20 MB/s

Monitor = LED 21 inch or better

c. Power over Ethernet (PoE) Switch [for 16 and 48 port versions]

| |
|--|
| ✓ 16 (48 for the 48-port version) auto speed-sensing 10/100/1000 |
| ✓ Advanced auto-sensing algorithm gives power only to 802.3af end devices |
| ✓ Can supply (to all 16 and 48 ports) industry-standard IEEE 802.3af power |
| ✓ RJ-45 ports |
| ✓ IEEE 802.3i 10BASE-T |
| ✓ IEEE 802.3u 100BASE-TX |
| ✓ IEEE 802.1p priority tags |
| ✓ IEEE 802.3x Flow Control |
| ✓ IEEE 802.3af DTE Power via MDI |
| ✓ Auto-volt 100 to 240V |

d. NVR Server Monitors

| | |
|-------------|--------------------------------------|
| Screen Size | 55 inch or larger |
| Screen Type | Large Format Display (LFD); LED type |
| Input | VGA and HDMI compatible |
| Voltage | Auto-volt 100 to 240V |

e. IP Camera (Dome and Bullet types)

| | |
|-------------------------|---|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON); B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON), 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Auto-Iris | No |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | Digital WDR |
| 2-Axis Adjustment | Pan: 0° to 355°, tilt: 0° to 70° |
| Resolution | 1920 × 1080 or better |

| | |
|---------------------------|---|
| Focal Length | 2.8/4/6 mm |
| Lens Mount | M12 |
| IR Range | 2.8 mm, 4 mm: 20 meters 6 mm: 30 meters |
| Wavelength | 850nm |
| Video Compression | Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| Behavior Analysis | Line crossing detection, intrusion detection |
| Image Enhancement | BLC/3D DNR |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser |
| Target Cropping | No |
| Day/Night Switch | Day/Night/Auto/Schedule |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| On-board Storage | Built-in micro-SD /SDHC /SDXC slot up to 128 GB |
| Reset Button | Yes |
| Day/Night Switch | Day/Night/Auto/Schedule |
| Network Storage | Support built-in micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB /CIFS), ANR |
| Water and Dust Resistance | IP67 or better |
| Vandal Resistance | IK10 or better |
| Camera Type | Dome-type for indoor and bullet type for outdoor installation; vandal-proof (dome) and weather proof (bullet) |
| Software Compatibility | IVMS |

f. Fisheye Camera

| | |
|-------------------|--|
| Image Sensor | 1/1.7" Progressive Scan CMOS |
| Min. Illumination | Color: 0.05 Lux @ (F2.2, AGC ON), B/W: 0.01 Lux @ (F2.2, AGC ON), 0 Lux with IR |
| Shutter Speed | 1 s to 1/100,000 s |
| Day & Night | IR Cut Filter |
| WDR | Digital WDR |
| Resolution | 50 Hz: 20 fps (4000 × 3000), 25 fps (3000 × 3000, 2560 × 2560) 60 Hz: 20 fps (4000 × 3000), 30 fps (3000 × 3000, 2560 × 2560) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps |

| | |
|-------------------------|---|
| Day/Night Switch | Day/Night/Auto/Schedule |
| Communication Interface | 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port |
| On-board Storage | Built-in memory card slot, support microSD /microSDHC /microSDXC /TF card, up to 256 GB |
| Built-In Microphone | Yes, two built-in microphones |
| Built-In Speaker | Yes |
| Network Storage | NAS (NFS, SMB /CIFS), auto network replenishment (ANR) |
| Software Compatibility | IVMS |

g. **APNR Camera**

| | |
|-----------------------------|--|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color:0.022Lux@(F1.2, AGC ON) B/W: 0.011Lux@(F1.2, AGC ON) |
| Shutter Speed | 1/30 s to 1/100,000 s |
| Day & Night | IR Cut Filter |
| Image Format | JPEG |
| Frame Rate (Resolution) | 25 fps(2688*1520) |
| Video Compression | H.264/H.265/MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| Image Settings | Saturation: 0 to 100 Brightness: 0 to 100 Contrast: 0 to 100 Gain: 0 to 100 3D DNR: Off, Normal and Expert modes are selectable. White balance: White Balance 1 and White Balance 2 are selectable. |
| Communication Interface | 1 RJ45 10M /100M Ethernet port |
| On-board Storage | 1 TF card slot, up to 128GB |
| Built-In Microphone | Yes |
| Built-In Speaker | Yes |
| Network Storage | TF |
| Warranty | One (1) Year warranty against manufacturing and installation defects |
| Vehicle Recognition (Type) | Car (including SUV, MPV, Pickup) /truck /bus /van |
| Vehicle Recognition (Color) | Red, yellow (including orange), green, blue, purple, brown, white, grey (including silvery), black |
| Vehicle Recognition (Brand) | Hyundai, Toyota, Kia, Honda, Volkswagen, Benz, Nissan, Ford, ISUZU, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo |
| Software Compatibility | IVMS |

h. **External HDD**

| | |
|----------------|--|
| Total Capacity | 8TB or larger storage |
| Power Supply | Utilizes Dedicated Power Supply |
| Compatibility | Must be tested fully-compatible with IVMS-based NVRs |

i. **Wiring and Installation Materials**

| | |
|------------|---------------|
| Cable Wire | CAT 6, RJ45 |
| Conduit | Flexible Hose |

j. **Central Power Supply Station**


Purpose: Hard resetting of PoE Switches and IP Cameras.

- ✓ Must be installed at the LBP-SCR equipment room together with the NVR servers;
- ✓ Power supply to all PoE switches and IP Cameras must be connected to the station and properly labeled;

k. **Micro SD Card**

| | |
|---------------------|--|
| Total Capacity | 128 GB (microSDXC) |
| Maximum Read Speed | 90 MB/s |
| Maximum Write Speed | 90 MB/s |
| NAND Flash Memory | TLC |
| Speed | Class 10, UHS-III |
| Compatibility | microSDHC, microSDXC, microSDHC UHS-I, microSDXC UHS-I |


Prepared by:


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Noted by:


SALVADOR P. ALUNAN, CSP
Officer in Charge, LANDBANK Security Department

Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building

| | CCTV equipment per branch | Abbreviation | Quantity | Unit Cost | Sub-Total |
|--------------------|--|-----------------|----------|-----------|-----------|
| 1 | Fisheye 12MP IP Camera | Fisheye IP Cam | 160 | | |
| 2 | 4MP Dome Indoor IP Camera | Dome IP Cam | 17 | | |
| 3 | 4MP Bullet Outdoor IP Camera | Bullet IP Cam | 16 | | |
| 4 | 4MP ANPR Intelligent Entrance Video Unit | ANPR Cam | 5 | | |
| 5 | 128GB Micro SD Card | Micro SD Card | 198 | | |
| 6 | Fail-over (spare) 128GB Micro SD Cards | Spare Micro SD | 10 | | |
| 7 | 8TB External Hard Disk Drive | Ext HDD | 3 | | |
| 8 | 32-Channel Network Video Recorder (16HDD slots x 10TB) | NVR | 16 | | |
| 9 | 10TB Surveillance-grade HDD (18 NVRs x 16HDDs) | HDD-NVR | 288 | | |
| 10 | Fail-over /spare surveillance-grade HDD | FO HDD-NVR | 10 | | |
| 11 | Fail-over 32-Channel NVR | FO NVR | 2 | | |
| 12 | Video Management Server with Monitor | Mgmt Server | 1 | | |
| 13 | 16-port Pure Power over Ethernet Switch | 16 PoE Switch | 40 | | |
| 14 | Fail-over /spare 16-port PoE | FO 16 PoE | 10 | | |
| 15 | 48-port Pure Power over Ethernet Switch | 48 PoE Switch | 16 | | |
| 16 | Fail-over spare 48-port PoE | FO 48 PoE | 4 | | |
| 17 | Wiring and Installation Materials (198 units camera) | W&I | 1 (lot) | | |
| 18 | Re-wiring of existing 192 units camera | rewiring | 1 (lot) | | |
| 19 | Labor Cost (198 units camera) | Labor IP Cam | 1 (lot) | | |
| 20 | Labor Cost (70 units PoE Switches) | Labor PoE | 1 (lot) | | |
| 21 | Mobilization Cost (381 units - Servers, Switches Monitors and Cameras) | Mobilization | 1 (lot) | | |
| 22 | Configuration and Testing (381 units - Servers, Switches Monitors and Cameras) | Test and Config | 1 (lot) | | |
| 23 | Quarterly Preventive Maintenance for Three (3) Years (381 units - Servers, Switches Monitors and Cameras x 4 months x 3 years) | PM | 1 (lot) | | |
| 24 | 12U Data Cabinet for PoE Switches (IDF) | PoE Cabinets | 56 | | |
| 25 | 1KVA UPS for IDF | IDF UPS | 56 | | |
| 26 | 3KVA UPS for Security Control Room (SCR) | SCR UPS | 1 | | |
| 27 | 55" LFD Monitor including brackets and HDMI Cable (Length: 10 meters) | Monitor | 16 | | |
| 28 | Smart Wall Module Package | Smart wall | 1 | | |
| 29 | Fail-over CCTV Monitors | FO Monitor | 2 | | |
| 30 | Central Power Supply Station | CPSS | 1 | | |
| 31 | Operator Console (for 2 operators) | OpConsole | 1 | | |
| 32 | Network Attached Storage 64-bit 4GB DDR4 8TB x 24 slots | NAS | 16 | | |
| 33 | 32U Data Cabinet for NVRs | NVR Cabinets | 2 | | |
| Grand Total | | | | | |

Note:

The Bidder shall fill in rates and prices for all items of the Bill of Quantities. Bids not addressing or providing all of the required items in the Bill of Quantities shall be considered nonresponsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as nonresponsive, but specifying a "0" (zero) for the said item would mean that it is being offered for free.

Submitted by:

Bidder

Printed Name of Authorized Representative with Signature

Designation

Date


RESPONSES TO BIDDER'S QUERIES AND/OR SUGGESTIONS


| | |
|--|---|
| DATE | November 20, 2023 |
| PROJECT IDENTIFICATION NO. | ITB-GS-20230906-01 |
| PROJECT NAME | Closed Circuit Television (CCTV) System Upgrade for LANDBANK Plaza Building |
| PROPONENT UNIT/TECHNICAL WORKING GROUP | Security Department (SD) |

| ITEM NO. | PORTION OF BIDDING DOCUMENTS | QUERIES AND/OR SUGGESTIONS | LANDBANK's RESPONSES |
|----------|--|--|---|
| | <u>Technical Specifications</u> | | |
| 1. | Annexes_1, Annex D-5, C. Monitor A. Screen Type -> Large Format (LFD); LED Type | May we request to consider LCD Type monitor instead of an LED Type Monitor The LCD monitor have an advantage on the calibration of picture quality over LED Monitors in terms of scalability after first installation. The LCD Monitors also consume less power and produce an evenly lit display. | SD opts to retain the indicated minimum specifications in the Terms of Reference (TOR). |
| 2. | Annexes_1, Annex D-5, C. Monitor B. Input -> VGA and HDMI Compatible | May we request to remove the VGA port Request to Remove VGA port. As the latest technology for the Monitors in the market uses HDMI as Video Input Port instead of the VGA. | |
| 3. | Annexes_1, Annex D-7, f. APNR Camera A. Video Bit Rate -> 32 Kbps to 16 Mbps | May we request to relax the 16 Mbps to 8 Mbps This can help minimize the transmission of data per CCTV without that much of an effect with the video quality, also it can then help lessen the Overall Bandwidth of the whole network in which the saved up bandwidth can be used for additional cameras (scalability). | |

ANNEX G-1

| | | | |
|----|---|---|---|
| 4. | Annexes_1, Annex D-6, e. Fish Eye Camera A. Resolution -> 50Hz: 20 fps (4000x3000), 25fps (3000x3000, 2560x2560) 60Hz: 20fps (4000x3000), 30 fps (3000x3000, 2560 x 2560) | May we request to relax the 4000x3000 to 3504 x 3504 The Effective Pixel of 4000x3000 (9MP) is lower than the Effective Pixel of 3504x3504 (12.27MP). The total Pixel of the 3504x3504 (12.27MP) is higher than 4000x3000 (12MP) | |
| 5. | Annex_1, Annex D-6, d. IP Camera Dome and Bullet Type A. Vandal Resistance | May we request to add "for Dome Camera" in the Vandal Resistance since it is specified on the Camera Type that Vandal Proof is for Dome. | |
| 6. | Annex_1, Annex D-6, d. IP Camera Dome and Bullet Type B. Water and Dust Resistance | May we request to add "for Bullet Camera" in the Water and Dust Resistance since it is specified on the Camera Type that Weather Proof is for Bullet | |
| 7. | Annexes_1, Annex D-2, No. 30 Central power supply station | May we Request for the main purpose and function of the Central Power Supply Station and its required specification as it is not directly specified in the Terms of Reference | SD will provide the purpose and specs in the revised TOR. |
| 8. | Annexes_1, Annex D-2, No. 17 and 18 wiring and installation Materials; Rewiring of existing 192 cameras | May we request to verify if PVC flexible conduit is also allowed as the conduit of the wires. Since it is not directly specified in the Terms of Reference | SD will provide the preferred conduit in the revised TOR. |
| 9. | Annexes_1, Annex D-2, No. 17 and 18 wiring and installation Materials; Rewiring of existing 192 cameras | May we request to verify if all cable to be used for the wiring of devices and equipment (ie. Cameras, Switches, IDF) will be Ethernet Cat6 Cables? Since it is not directly specified in the Terms of Reference. | SD opts to retain the indicated minimum specifications in the Terms of Reference (TOR). |


DANIELLE MARIE D. SOBERANO
 Name and Signature of Assigned
 Point Person


SALVADOR P. ALUNAN, CSP
 The Officer-In-Charge, Security Department
 Name and Signature of Head, Proponent Unit/
 TWG Lead

ANNEX G-2