



**Republic of the Philippines**  
Philippine Economic Zone Authority

**PROCUREMENT OF SUPPLY,  
INSTALLATION, TESTING AND  
COMMISSIONING OF COMMAND  
CENTER MANAGEMENT PLATFORM  
(PEZA-HO-2020-04)**

**Sixth Edition**  
**July 2020**

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

- d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.
- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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# *Glossary of Acronyms, Terms, and Abbreviations*

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

# ***Section I. Invitation to Bid***

## **Notes on the Invitation to Bid**

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



**Republic of the Philippines**  
**Philippine Economic Zone Authority**

**INVITATION TO BID FOR**

**PROCUREMENT OF SUPPLY, INSTALLATION, TESTING  
AND COMMISSIONING OF COMMAND CENTER  
MANAGEMENT PLATFORM  
(PEZA-HO-2020-04)**

1. The Philippine Economic Zone Authority (PEZA), through the Corporate Operating Budget for CY 2020 intends to apply the sum of **₱9,996,000.00** being the ABC to payments under the contract for **Procurement of Supply, Installation, Testing and Commissioning of Command Center Management Platform (PEZA-HO-2020-04)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Philippine Economic Zone Authority now invites bids for the above Procurement Project. Delivery of the Goods is required by PEZA within calendar 30 days from issuance of Notice to Proceed on October 21, 2020. Bidders should have completed, within 30 days [*October 15-November 14, 2020*] from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
  - a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
4. Prospective Bidders may obtain further information from Philippine Economic Zone Authority and inspect the Bidding Documents at the address given below from 8:00 a.m. to 5:00PM during regular working days.
5. A complete set of Bidding Documents may be acquired by interested Bidders starting **25 September 2020** from the given address and website of the Procuring Entity, and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Ten Thousand Pesos Only (₱10,000.00)**. The Procuring Entity shall allow the bidder to present its proof of

payment for the fees. The Order of Payment for said fee shall be secured from the BAC Secretariat (8<sup>th</sup> Floor) and thereafter paid to the Cashier (9<sup>th</sup> Floor), copy of receipt of which shall be immediately provided to the BAC Secretariat.

6. The Philippine Economic Zone Authority will hold a Pre-Bid Conference<sup>1</sup> on **02 October 2020, 2:00PM at ODDG-PP Conference Hall, 8<sup>th</sup> Flr., Double Dragon Center West Bldg., DD Meridian Park, Macapagal Avenue, Pasay City** and through videoconferencing/webcasting for those who wish not to be physically present, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **11:00AM, 15 October 2020**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on **2:00PM, 15 October 2020** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. In case any of the above dates is declared as a special non-working holiday, it shall automatically be moved to the next working day.
11. The Philippine Economic Zone Authority reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

Philippine Economic Zone Authority  
Bids and Awards Committee (BAC) Secretariat  
8<sup>th</sup> Floor, Double Dragon Center West Bldg., DD Meridian Park, Macapagal Avenue  
Pasay City  
Email: bacsec@peza.gov.ph  
Telefax No. 8551-3440  
Tel. No. 8551-3451 local 213  
www.peza.gov.ph

13. You may visit the following websites:  
For downloading of Bidding Documents:  
<http://www.peza.gov.ph/index.php/bid-opportunities>

*25 September 2020*

(Sgd.)  
**DDG TERESO O. PANGA**  
BAC Chairperson

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<sup>1</sup> May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

## ***Section II. Instructions to Bidders***

### **Notes on the Instructions to Bidders**

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

## **1. Scope of Bid**

The Procuring Entity, Philippine Economic Zone Authority wishes to receive Bids for the Procurement of Supply, Installation, Testing and Commissioning of Command Center Management Platform with identification number (PEZA-HO-2020-04).

The Procurement Project (referred to herein as “Project”) is composed of [*indicate number of lots or items*], the details of which are described in Section VII (Technical Specifications).

## **2. Funding Information**

2.1. The GOP through the source of funding as indicated below for FY 2020 in the amount of ₱9,996,000.00.

2.2. The source of funding is:

a. The PEZA Corporate Operating Budget.

## **3. Bidding Requirements**

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## **4. Corrupt, Fraudulent, Collusive, and Coercive Practices**

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## **5. Eligible Bidders**

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. *[Select one, delete other/s]*

- a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
  - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
  - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
  - iii. When the Goods sought to be procured are not available from local suppliers; or
  - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- b. Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time at its physical address and through videoconferencing/webcasting for those who wish not to be physically present at the address as indicated in paragraph 6 of the **ITB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## 10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *[state relevant period as provided in paragraph 2 of the **IB**]* prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## 11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

## 12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

- a. For Goods offered from within the Procuring Entity's country:
  - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
  - ii. The cost of all customs duties and sales and other taxes already paid or payable;
  - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
  - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
  - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
  - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

## 13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in:

- a. Philippine Pesos.

## 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>2</sup> or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *12 February 2021*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

## **15. Sealing and Marking of Bids**

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

## **16. Deadline for Submission of Bids**

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **17. Opening and Preliminary Examination of Bids**

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

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<sup>2</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

## 19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated “*passed*,” using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:
  - Option 1 – One Project having several items that shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## 20. Post-Qualification

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## 21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

## ***Section III. Bid Data Sheet***

### **Notes on the Bid Data Sheet**

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

# Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> <li>a. For this purpose, similar contracts shall refer to Supply, Installation, Testing and Commissioning of Command Center for government/private entities.</li> <li>b. completed within three years prior to the deadline for the submission and receipt of bids.</li> </ul>
7.1	<i>Not applicable</i>
12	The price of the Goods shall be quoted DDP [ <i>state place of destination</i> ] or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> <li>a. The amount of not less than ₱199,920.00 [<i>two percent (2%) of ABC</i>], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than ₱499,800.00 [<i>five percent (5%) of ABC</i>] if bid security is in Surety Bond.</li> </ul>
19.3	<i>Not applicable</i>
20.2	<i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i>
21.2	<i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i>

**1. BIDDERS QUALIFICATION REQUIREMENTS**

A. The following shall be eligible to participate in the bidding:

- a.) Duly licensed Filipino citizens/sole proprietorships;
- b.) If a partnership, duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the interest belongs to citizens of the Philippines;
- c.) If a corporation, duly organized under the laws of the Philippines, and of which at least sixty percent (60%) of the outstanding capital stock belongs to citizens of the Philippines;

B. A duly notarized affidavit attesting that supplier shall have at least Fifteen (15) years' experience in the supply of goods and services in similar / related projects Supply, Delivery, Installation and Commissioning of Enterprise Video Surveillance Command Center showing integration and central monitoring of at least 10,000 cameras and at least 20,000 alarm points for multi - site locations in the country.

C. At least two (2) satisfactory certification from current or previous clients for satisfactory delivery of goods/services.

D. Copies of the following documents of the supplier shall need to be completely submitted along with the bid proposal:

- a) PhilGEPS Certificate of Registration and shall form part of the bidder's eligibility documents including Annex "A" of the Certificate of PhilGEPS Registration & Platinum Membership with updated;

Registration Certificate from Securities and Exchange Commission (SEC) or Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives;

Certificate of Incorporation or Article of Incorporation or Amended Articles of Incorporation shall be accepted in lieu of the SEC Registration Certificate.

Mayor's/Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;

Tax Clearance per E.O 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR);

Audited Financial Statements stamped "received" by the Bureau of Internal Revenue (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 submissions;

- b) The Latest Financial Statement with the Income and Business Tax Return filed within the last six (6) month period;

- c) Duly Notarized Special Power of Attorney, Board Resolution or Secretary's Certificate for the duly authorized representative and signatory of all bid documents in behalf of the supplier.

Bids not complying with the above instruction shall be disqualified.

E. Other Eligibility Requirements that must form part of the technical documents:

- a) Bidder must have the ability to deploy nationwide sales and maintenance support and must have at least one (1) key office each in Metro Manila, Luzon, and Visayas. Complete address, business permits and pictures must be submitted.
- b) Supplier must have and must show the experience in the Implementation and Installation of Command Centres or Enterprise Surveillance System that monitors and supports critical facilities of at least a minimum of two thousand (2000) Cameras and Alarm and Fifteen Thousand (15,000) alarm points centrally. At least one (1) completed contract that is existing, operational and monitored Command Center in the Philippines is required for this project.
- c) Supplier must be at least 15 years in the security surveillance business as stated in the SEC registration.
- d) The assigned Project Manager for this project must have a Project Management Certification and shall be at least a Professional Electronics Communication Engineer or Professional Electrical Engineer.
- e) Bidder must also submit a Sample Maintenance agreement proposal, Manpower Loading and Organizational Chart and S-Curve for the project including profiles or resume' of the technical personnel to be assigned to the project.
- f) Bidder must be a appointed distributor or partner of the Video Management System being offered
- g) Bidder must be a appointed partner of the COVID Solution System being offered.
- h) Must be an appointed partner of the Video Wall Management Software system being offered

## ***Section IV. General Conditions of Contract***

### **Notes on the General Conditions of Contract**

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

## 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## 2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## 3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project *{[Include if Framework Agreement will be used:] or Framework Agreement}* specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## ***Section V. Special Conditions of Contract***

### **Notes on the Special Conditions of Contract**

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

## Special Conditions of Contract

GCC Clause	
1	<p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered 10<sup>th</sup> Floor, Double Dragon Center West Bldg., DD Meridian Park, EDSA corner Macapagal Avenue, Pasay City, Metro Manila.. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is EA Francois Ferdinand Cronus B. Plaza (ODG).</p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: <i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided</li> </ol>

	<p>that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</p>
	<p>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</p> <p>f. <i>[Specify additional incidental service requirements, as needed.]</i></p> <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p><b>Spare Parts –</b></p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <p>a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</p> <p>b. in the event of termination of production of the spare parts:</p> <p>i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and</p> <p>ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.</p> <p>The spare parts and other components required are listed in <b>Section VI (Schedule of Requirements)</b> and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of <i>[indicate here the time period specified. If not used indicate a time period of three times the warranty period]</i>.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within <i>[insert appropriate time period]</i> months of placing the order.</p>

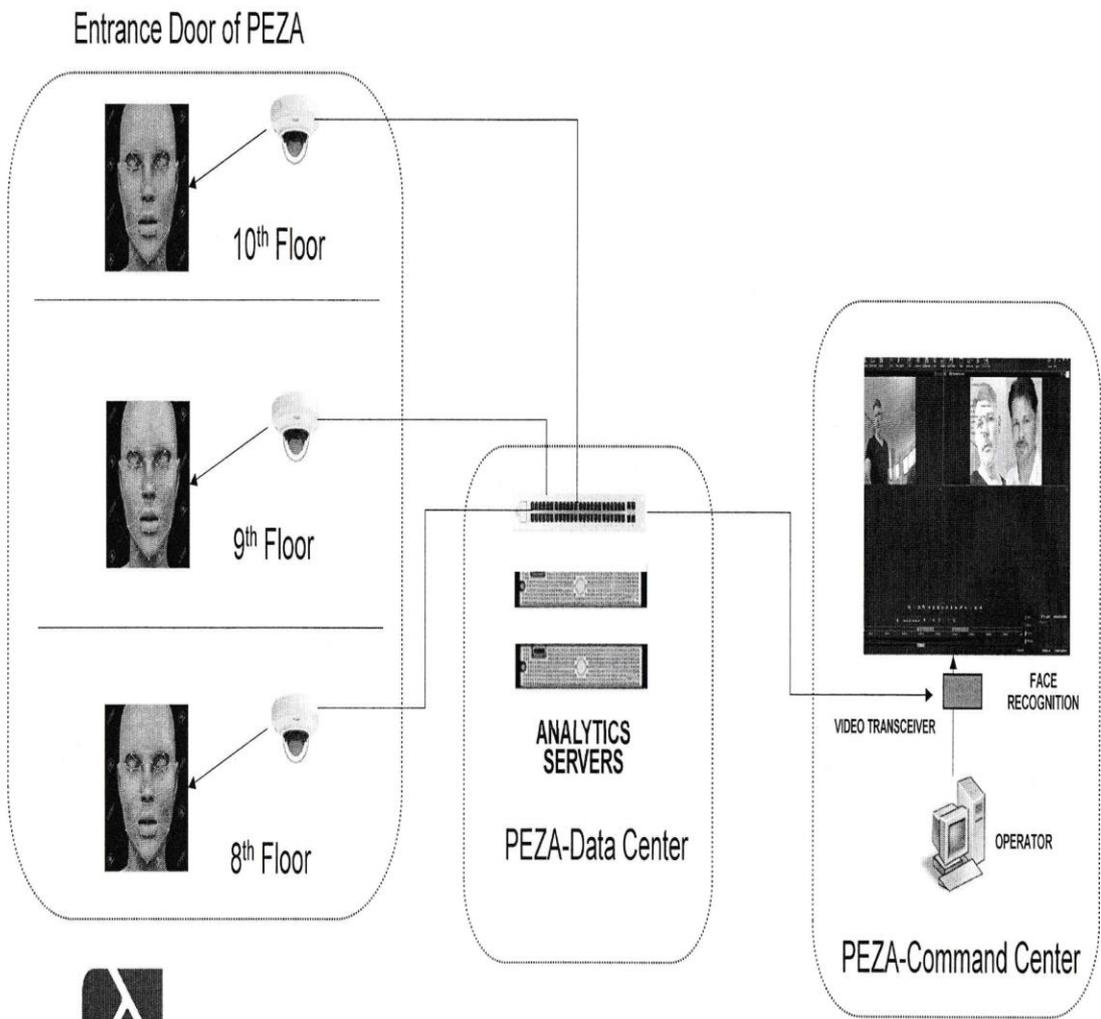
	<p><b>Packaging –</b></p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity  Name of the Supplier  Contract Description  Final Destination  Gross weight  Any special lifting instructions  Any special handling instructions  Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Intellectual Property Rights –</b></p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<p><i>[If partial payment is allowed, state]</i> “The terms of payment shall be as follows: _____.”</p>
4	<p>The inspections and tests that will be conducted are: <i>[Indicate the applicable inspections and tests]</i></p>



Philippine Economic Zone Authority		ANNEX A-1	
Technical Specification for Supply, Installation, Testing and Commissioning of Command Center Management Platform			
No.	Description	Qty	UOM
<b>I Video Wall Management Solution</b>			
<b>Command Center Video Wall Component</b>		1	lot
Video wall Transiver units			
POE Switches Rackmount (Annex A-2:item #1)			
10KVA Rackmount UPS (Annex A-2:item #2)			
Tablet - with Software (compatible with the equipment) (Annex A-2:item #3)			
Connectors and Accessories			
<b>Remote Videowall Content Viewing for Theatre (4x3)</b>		1	lot
Video wall Transiver units			
Connectors and Accessories			
<b>Remote Videowall Content Viewing for Single Screen (DG's Office)</b>		1	lot
Video wall Transiver units			
Connectors and Accessories			
Video Wall Display (Annex A-2:item #9)			
<b>Remote Videowall Content Viewing for Single Screen (Boardroom)</b>		1	lot
Video wall Transiver units			
Connectors and Accessories			
Video Wall Display (Annex A-2:item #9)			
<b>General requirements and Labor</b>			
Mobilization/Demobilization; Supply and Installation of devices and system installation and rough-ins and customization		1	lot
Programming, testing & commissioning & Training(Via Remote)			
Project Management		1	lot
<b>II Covid Solution</b>			
<b>Temperature scanning camera for 8th &amp; 9th Floor</b>			
Thermal and Optical Network Dome Camera (Annex A-3)		5	nos
Mounting adapter for tripod		5	nos
Metal stand for camera		5	nos
<b>Walk- thru Metal Detector with Thermal scanning camera - 10th Floor (Annex A-5)</b>			
Walk-through metal detector, thermal imagery technology, non- contact temperature measurement with Face detection function		1	set
<b>Monitoring Station</b>			
POE switch - (Annex A-2:item #4 )		3	nos
8-ch NVR(stand-alone)		1	nos
Cat 6 cable patch cord, 5 meters, (fabricated)		3	nos
Laptop with OS (Annex A-2:item #5)		3	sets
Movable monitoring table (with casters)		3	sets
UPS, 2kVA (Annex A-2:item #6)		3	sets
<b>General requirements and Labor</b>			
Supply and Installation of devices and system installation and customization		1	lot
Programming, testing, commissioning and training			
<b>III Video Management System</b>			
Enterprise Video Software License		1	lot
Server for Video Management System (Annex A-2:item #7)		1	set
Desktop PC with OS (Annex A-2:item #8)		1	lot
HDMI cable, high speed, 10 meters		1	set
Mini DisplayPort (M) to HDMI (F) Adapter Cable 0.15m (0.5ft)		1	set
10 KVA Rackmount UPS (Annex A-2:item #2)		1	set
Structure Cabling :Wire manager horizontal, 1U			
Cat.6 UTP Patch Panel 24 Port Loaded		1	set
<b>Video Analytics - Facial Recognition (6 channel licenses only)</b>			
Face Recognition channel licences (required per FR camera) 5000 database, (works on a single site only); UP to 20 faces can be extracted from a single image.		3	lic
Server for Video Analytics (Annex A-2:item #7)		2	sets
Face Recognition Dome Camera (Annex A-4)		3	sets
<b>General requirements and labor</b>			
Mobilization/Demobilization; Supply and Installation of devices and system installation and rough-ins and customization		1	lot
Programming, testing, commissioning and training			
Project Management		1	lot

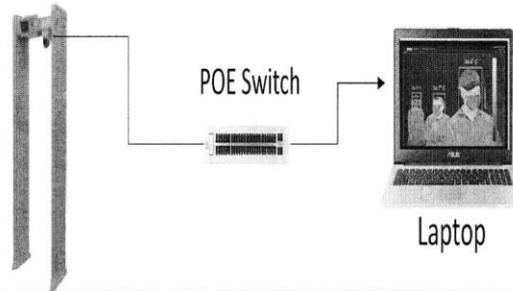
**Philippine Economic Zone Authority**  
**Command Center Management Platform Ph1**



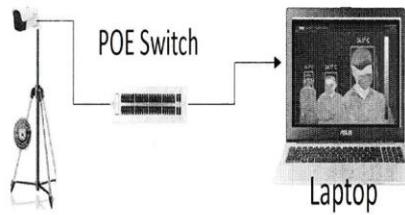
**VIDEO ANALYTICS – FACE RECOGNITION**

Entrance Door of PEZA

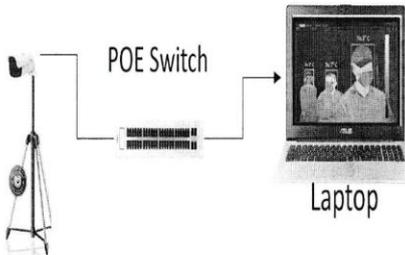
10<sup>th</sup> Floor



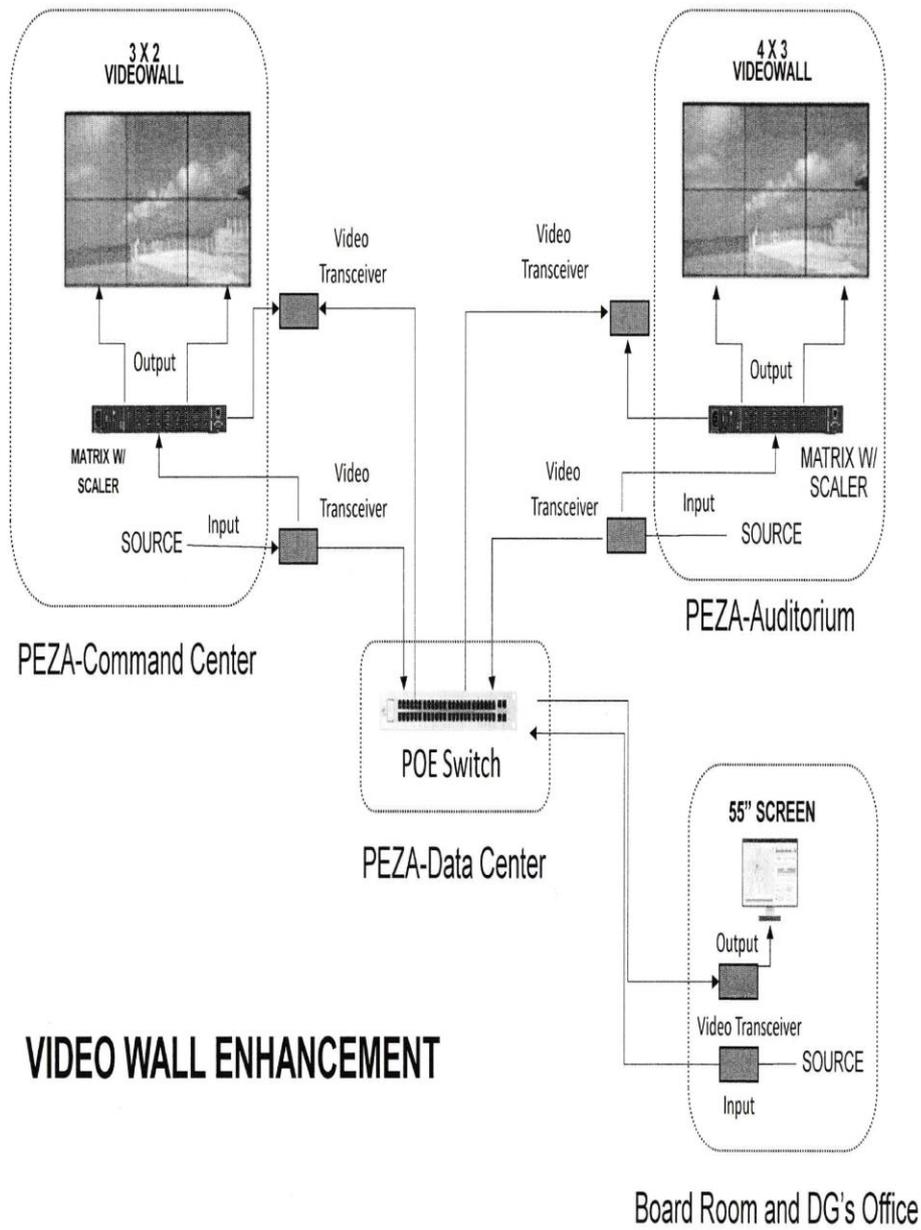
9<sup>th</sup> Floor



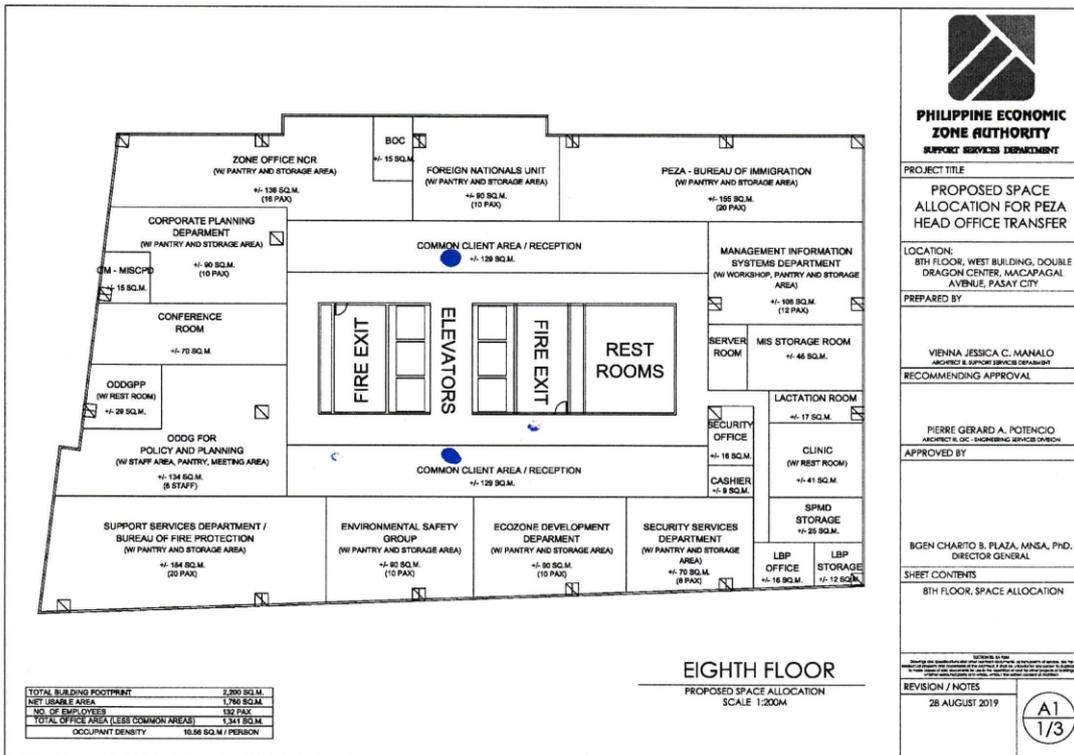
8<sup>th</sup> Floor



## THERMAL CAMERAS & WALK-THRU METAL DETECTORS



## VIDEO WALL ENHANCEMENT



**PHILIPPINE ECONOMIC  
ZONE AUTHORITY**  
SUPPORT SERVICES DEPARTMENT

PROJECT TITLE  
**PROPOSED SPACE  
ALLOCATION FOR PEZA  
HEAD OFFICE TRANSFER**

LOCATION:  
8TH FLOOR, WEST BUILDING, DOUBLE  
DRAGON CENTER, MACAPAGAL  
AVENUE, PASAY CITY

PREPARED BY

VIENNA JESSICA C. MANALO  
ARCHITECT & SUPPORT SERVICES DEPARTMENT

RECOMMENDING APPROVAL

PIERRE GERARD A. POTENCIO  
ARCHITECT IN CHARGE, ENGINEERING SPACE DIVISION

APPROVED BY

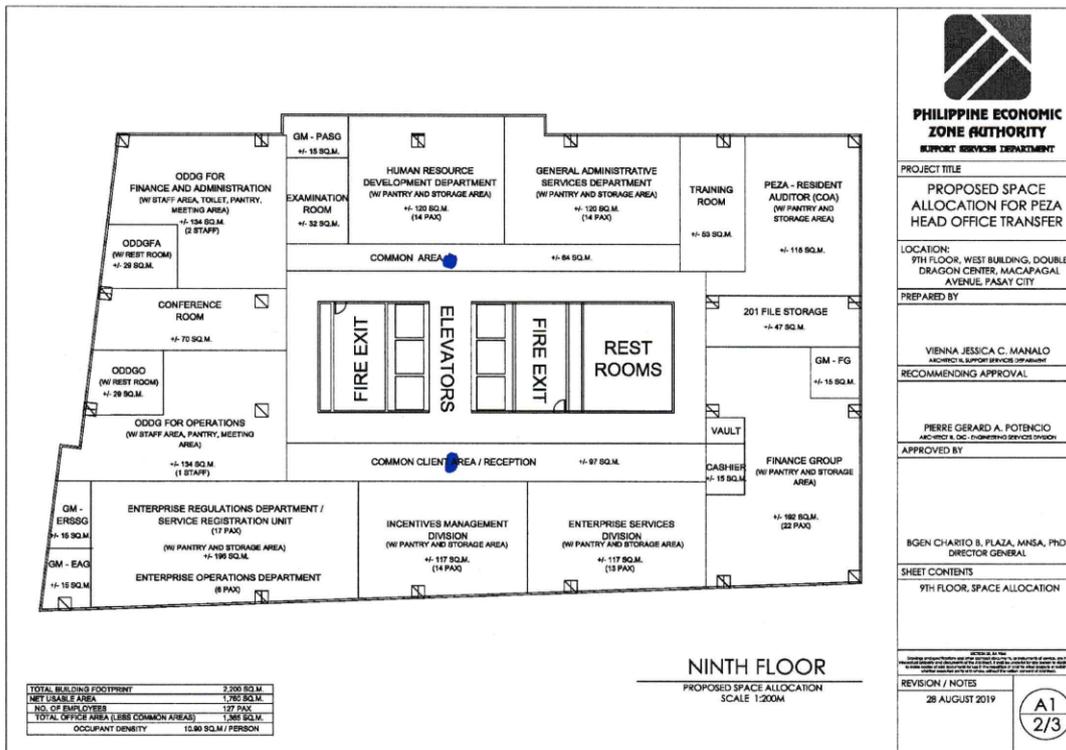
BGEN CHARITO B. PLAZA, MNSA, PH.D.  
DIRECTOR GENERAL

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8TH FLOOR, SPACE ALLOCATION

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28 AUGUST 2019

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**PHILIPPINE ECONOMIC ZONE AUTHORITY**  
SUPPORT SERVICES DEPARTMENT

PROJECT TITLE  
**PROPOSED SPACE ALLOCATION FOR PEZA HEAD OFFICE TRANSFER**

LOCATION:  
9TH FLOOR, WEST BUILDING, DOUBLE DRAGON CENTER, MACAPAGAL AVENUE, PASAY CITY

PREPARED BY

VIENNA JESSICA C. MANALO  
ARCHITECT, SUPPORT SERVICES DEPARTMENT

RECOMMENDING APPROVAL

PIERRE GERARD A. POTENCIO  
ARCHITECT, ENGINEERING SERVICES DIVISION

APPROVED BY

BGEN CHARITO B. PLAZA, MNSA, PHD.  
DIRECTOR GENERAL

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**NINTH FLOOR**  
PROPOSED SPACE ALLOCATION  
SCALE 1:200M



## ***Section VII. Technical Specifications***

### **Notes for Preparing the Technical Specifications**

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

#### **Sample Clause: Equivalency of Standards and Codes**

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent.*" References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# Technical Specifications

Item	Specification	Statement of Compliance
		<p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. 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 Bidder's 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.]</i></p>

## **TERMS OF REFERENCE**

### **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMMAND CENTER MANAGEMENT PLATFORM Ph – I**

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#### **I. GENERAL STATEMENT**

The New PEZA Office Building's Command Center Security Information Management System shall link different subsystems and devices with the Command Center Management System so that all events, inputs, and data can be visualized, documented and archived within a standardized graphical user interface and the connected peripheral equipment's can be monitored and controlled.

This shall provide a central point of campus intelligence and response that in the future shall involve the integration of advanced communication, mobile tracking, emergency & computer aided dispatch, enterprise video surveillance with analytics and Big Data center infrastructure on a unified platform.

In addition, a risk mitigation of the COVID 19 crisis is proposed in the solution to proactively allow security personnel monitor suspected individuals with symptoms thereby ensuring over-all work safety and business continuity.

Advanced Face Recognition Software integrated with existing CCTV Systems that shall monitor "person of interest" will provide security managers' excellent tool to properly address and respond persons considered as "high risk".

Command Center's "PLATFORM SOLUTION shall form the "Brain" of the overall solution and the platform shall be on top of multiple security sub-systems.

#### **II. PURPOSE AND OBJECTIVES**

1. The COMMAND CENTER PLATFORM SOLUTION shall provide a video review interface for display of live and recorded video from connected Video Management Systems with overlay of Video Analytics. The interface shall be unified and consistent regardless of the underlying video system and be capable of displaying video from different types of systems at the same time. It shall provide functionality for viewing live video, recorded video, saving snapshots, viewing video in full screen, pan-tilt-zoom control and preset functions.

2. The Command Center Platform Solution shall contain a dedicated feature for exporting video. The feature shall allow the capture of all related video for an incident regardless of sub-system type or combination of sub-systems providing the video for the location where the incident occurred. The exported video shall be stored on a configured network share and it shall be possible to generate a report describing what video has been exported.

3. The solution shall have the ability to use reporting tools to generate reports on data collected and generated by the VMS solution

4. The Command Center Solution should provide the visualization platform and integration for Video Analytics and COVID Solution.

5. The Command Center Platform Solution shall allow for granular permissions control for users and user groups and include permission inheritance. Areas that it shall be possible to restrict through permission configuration shall include: Alarm visibility, access to physical locations, and visibility of CCTV assets, video playback control, and Pan-Tilt-Zoom (PTZ) priority.

6. The Command Center Platform Solution shall include an easy-to-use administration interface containing functionality for managing users and groups, viewing device states, managing locations and asset locations on maps.

7. The Command Center Platform Solution shall include video wall tools that turn any screen into a dynamic video wall.

8. The Command Center Platform Solution shall include a Workflow Engine, which when using the response plan editor, creating custom logic and workflows based around the customers' business process without changing the core build.

9. The Command Center Platform Solution shall be able to integrate any Third Party System that are related to the security operations and not just those that are listed above.

10. The Command Center Platform Solution shall record all alarms with the response and the video index for quick retrieval at any time.

11. The Software should have the ability to show all cameras and internal circulation cameras in one screen on single visual interface. This shall be demonstrated in the Site Acceptance Testing.

### **III. SCOPE OF THE PROJECTS**

The following Subsystems shall be the main deliverables and expected output for Phase 1 that shall seamlessly integrates with the PEZA's current Video Wall Platform on HLI (High Level Interface) to Command Center Platform Solution specifically:

1. Video Management System
2. Video Analytics
3. COVID Solution with X-ray Scanner Alarms
4. Control Room and Video Wall
5. IT Networking and UPS

### **IV. PROJECT DESIGN AND FUNCTIONALITY**

The design is based on an Integrated Security Information Management System that shall provide an over-all monitoring and control of all facility, security, communication sub - systems.

For Phase 1, the following systems and solutions should be made available and operational:

#### 1. Video Management System

The Command Center Platform Solution integration licenses for the additional cameras and recording server will be covered by the Contractor. The integration shall be seamless and the recording retrieval shall be instantaneous. There shall be no latency in viewing live or playback from the VMS server. These cameras will be needed to view internal building areas with respect to alarms rising from Fire Alarm Systems and Data Center Alarms.

Functionalities:

The system shall offer an advanced per channel selectable compression technology to cover numerous IP cameras or camera servers from different manufacturers.

The system shall be capable of independently processing two (2) streams per IP camera to clearly distinguish between recording and live streams without interference in the transmission. The picture resolution and quality shall be selectable independently per camera and per video stream to various picture formats with scalable compression factors.

The image frequency shall be selectable independently per camera and per video stream. The maximum IP camera processing speed shall depend on the frame rate provided by the camera itself over network, and not be limited by the processing speed of the CCTV system.

The system shall be capable to automatically adjust the parameters of any video stream depending on time or events triggered by video analytics or other actions.

The system shall have multiple password protection scheme and defined access rights for user and administrative functions. Availability of Log-files is also included.

The system shall support dynamic live streaming to optimize both, network bandwidth load and hardware resources for decompression and viewing.

The system shall support alarm and event management flexible adaptation of the system's reactions to alarms or other events according to user requirements.

All types of video analytics shall be capable of real time image processing on all video inputs and shall not decrease the capacity of recording or live streaming.

The system shall automatically detect camera signal failure in real time; video synchronization signal and contrast level of individual video input to guarantee immediate detection.

The system shall allow different motion detection algorithms depending on the application. It shall be possible to use different algorithms on different video channels.

The Facial Recognition has the ability to provide real-time facial image matching for video surveillance systems. It will give the user alarm notification of every matched face in crowd. It also stored subject images to the database.

The backup or export of images or image sequences (including audio) for evidence shall be possible in an encrypted format onto CD, DVD or any storage media connected locally or via network to remote PCs.

The system has the capability to run a system monitoring health check for software and hardware. Periodically updates the server with monitoring statistics, or immediately in the case of a problem.

The system has a graphical user interface (GUI) to map camera position and current alarm conditions. This allow easy navigation between different floors of a building. You can also get the camera details and viewing directly.

## 2. Video Analytics

Video Analytics for Face Recognition (FR) shall be included herein as Edge and Server Based.

Video Analytics shall neatly tie into Command Center Platform Solution and the alerts shall appear along with the overlay on the image. There shall be no latency in the viewing of alarm videos as a result of analytics.

## 3. COVID SOLUTION with X-ray Scanner Alarms

X-ray Scanners with Thermal Cameras shall be deployed to mitigate the effects of COVID-19 in the workplace and ensure business continuity. It should provide accurate measurement of temperatures of all employees and visitors entering the facility. Real time alarm trigger capabilities should be available in the system to allow security and health personnel to immediately isolate those suspected to be infected with the virus through accurate temperature scanning. This shall be installed on all floor entrances particularly the visitor entrances and main lobby.

In addition, any suspicious items screened needing escalation, the videos from the X-ray scanner shall be automatically transferred to the designated operator station in the Central Control Room.

The CCTV Operator shall then view the relevant X-ray CCTV camera images and alerts to appear on the Video Monitor. A sequence of operation (SOP) to be drawn

and programmed in association with the Client Security Operational Procedure for all alarms originating from Thermal Cameras and X-Ray Walkthrough Scanner. At all times, the image of the X-ray Walkthrough scanner shall be continuously recorded.

#### 4. Control Room and Video Wall

The Command Center Platform Solution shall be able to integrate into a Video Wall Matrix / Processor provided by IP-CCTV Contractor. The Command Center Platform Solution shall support Client workstations as required and can be managed from a Tablet. It shall also support the scalable expansion thereof.

#### 5. IT Networking and UPS

The IT Infrastructure for connectivity of the above systems will be provided by the contractor. The requirement for Structured Cabling specific to each sub-system should be provided by contractor.

The power requirement for all devices (UPS power) to be calculated and should be included in the proposal. Vendor shall be responsible for all the required software installation and server preparation and will have to coordinate with the End User IT team for all their requirement.

### V. TECHNICAL REQUIREMENTS

Please refer to Annex A-1 to A-5 for the Technical Requirements

### VI. PROJECT COST

The Approved Budget for the Contract (ABC) of the project is **Php 9,996,000.00 (Nine Million, Nine Hundred Ninety-Six Thousand Pesos) inclusive of VAT.** All other incidental works that might arise during the implementation of the project will be shouldered by the winning contractor.

### VII. DURATION OF THE PROJECT

Due to the urgency of the need, the project needs to be completed and turned-over in Thirty (30) Calendar Days.

### VIII. PAYMENT

Upon the acceptance of Notice to Proceed (NTP) a 15% mobilization fee shall be provided and the remaining payment will be release after the completion of the project.

### IX. DELIVERABLES

Please refer to Detailed Technical Specification

## **X. TRAINING & DOCUMENTATION**

- A. Bidder must provide technical training to the assigned PEZA personnel and operators
- B. Must provide manuals and technical documents of the entire system
- C. Must provide as-built plans. Training materials. Data sheets, system manuals, configuration documentation, and equipment inventory in two (2) hard copies and soft copies in PDF format as appropriate.

## **XI. WARRANTY AND MAINTENANCE**

Warranty period for the project must be one (1) year and three (3) years for the equipment or specified in the Technical Specification warranty clause (Annex A-A5). This must include a quarterly preventive maintenance service for the duration of warranty period

Bidder must include 24 x 7 technical support with a twenty-four (24) hour response time upon receipt of call, for troubleshooting purposes.

Bidder must have a help desk system in place to accommodate support requests and issue service tickets that can be referenced to obtain status updates and reports until resolution of the issue

Bidder must provide on-site support at no charge should an issue not to be remotely resolvable

Bidder must issue a warranty certificate deemed to commence after the date of issuance of Certificate of Completion and Acceptance.

Philippine Economic Zone Authority		ANNEX A-2
Technical Specification for Supply, Installation, Testing and Commissioning of Command Center Management Platform		
Specification		
<b>Item 1: POE Switch for Video Wall</b>		
Rack-Mount	Included	
Routing Protocol	Static IPv4 routing	
MTBF	241,996 hour(s)	
Capacity	4K Active VLANs	
MAC Address Table Size	16k entries	
Ports	24 x 10/100 + 2 x combo Gigabit SFP + 2 x 10/100/1000	
Flash Memory	16 MB	
Performance	Switching capacity: 12.8 Gbps; Forwarding performance (64-byte packet size): 9.52 Mpps	
Power Over Ethernet (PoE)	PoE	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 2: 10KVA Rackmount UPS</b>		
Max Configurable Power (Watts)	10.0kWatts / 10.0kVA	
Output Voltage Distortion	Less than 2 %	
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz Sync to mains	
Input frequency	40 - 70 Hz Auto-sensing	
Input voltage range for main operations	100 - 275 Adjustable (half load), 160 - 275, 173 - 476 Adjustable (half load)V	
Battery type	Lead-acid battery	
Typical recharge time	1.5hour(s)	
Expected Battery Life (years)	3 - 5	
Battery Charge Power (Watts)	1.195kWatts	
Control panel	Multifunction LCD status and control console	
Surge energy rating	480Joules	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 3: Tablet for Controls for Video Wall</b>		
RAM	4GB	
Storage Capacity	128GB	
Screen Size	Min. 11	
Type	Tablet	
Resolution	2732 x 2048	
Processor	Dual Core, 2.24 Ghz	
Hardware connectivity	Bluetooth	
<b>Item 4: POE Switch for Walk-Thru Metal Detector</b>		
Type	Unmanaged	
Network Ports	4 100M PoE ports	
Uplink port	1 x 100M uplink port,	
Network Protocol	802.3 a/at	
PoE Power Budget	58W	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 5: Laptop for Walk-Thru Metal Detector</b>		
Processor	9th Generation Intel Core i7-9750H	
Display	15.6-in 4K UHD (3840 x 2160)	
Memory	16GB	
Storage	256GB SSD + 1TB HDD	
Graphics	NVIDIA GeForce GTX 1650 4GB GDDR5	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 6: 2KVA UPS for Walk-Thru Metal Detector</b>		
Rating	2000VA / 1200W	
Topology	Line Interactive	
Power Rating	2000VA	
Input Voltage Rating	160-290 VAC	
Nominal Voltage	220 VAC±10%	
Battery backup time	5-30 Min	
Battery capacity	12V / 9AH	
Output Receptacles	Universales Outlets	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 7: Server for Video Management System and Analytics</b>		
Processor	Intel Xeon Silver 4214 2.2G, 12C/24T	
Memory	32B RDIMM DDR4-2400	
Storage	1.92TB SSD SATA Mix Use 6Gbps	
Chassis	2.5" with up to 8 Hard Drives and 3 PCIe slots	
Controllers	PERC H330, H730P, H740P, HBA330-Internal	
	12Gbps SAS HBA-External	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 8: Desktop for Video Management System</b>		
Processor	Intel Core i7-9700	
Memory	16GB	
Storage	256GB SSD + 1TB HDD	
Monitor	23" Monitor	
Graphics	NVIDIA GTX 1660Ti 6GB GDDR6	
Keyboard and Mouse	Included	
Warranty	3 Years-Parts/Labor/On-Site	
<b>Item 9: Video Wall Display</b>		
Screen Size	55"	
Aspect Ratio:	16:09	
Native Resolution:	1,920 x 1,080 (FHD)	
	Besel to Besel	
Viewing Angle (H x V)	178 x 178	
CONNECTIVITY	Input HDMI, DVI-D, RGB	
	Output DVI-D	
	External Control RS232C (In/Out), RJ45, IR Receiver, USB	
Warranty	3 Year Parts/Labor/On-Site	
<b>Note:</b>		
All connector and accessories are included		

Philippine Economic Zone Authority		ANNEX A-3
Technical Specification for Supply, Installation, Testing and Commissioning of Command Center Management Platform		
<b>Specification</b>		
<b>TEMPERATURE SENSING CAMERA</b>		
<b>Thermal Module</b>		
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	
Pixel Interval	17 $\mu$ m	
Response Waveband	8 $\mu$ m to 14 $\mu$ m	
Field of View	50 Degrees x 37.2 Degrees (Horizontal x Vertical)	
Focusing Distance	0.2 m	
Aperture	F1.1	
Lens (Focal Length)	3.1 mm	
<b>OPTICAL</b>		
Field of View	84 Degrees x 44.8 Degrees (Horizontal x Vertical)	
Image Sensor	1/2.7" Progressive Scan CMOS	
Shutter Speed	1s to 1/100,000s	
Lens (Focal Length)	4 mm	
Illumination	Color: 0.0089 Lux at (F1.6, AGC ON), B/W: 0.0018 Lux at (F1.6, AGC ON)	
Day and Night	IR cut filter with auto switch	
<b>INFRARED</b>		
Distance	Up to 15 m	
Intensity and Angle	Automatically adjusted	
<b>SMART FUNCTION</b>		
VCA (Video Content Analysis)	4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 8 VCA rules totally.	
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line).	
Temperature Accuracy	$\pm 8$ °C ( $\pm 14.4$ °F)	
Temperature Range	-20 °C to +150 °C (-4 °F to +302 °F)	
Fire detection	Dynamic fire point detection, up to 10 fire points detectable.	
<b>IMAGE FUNCTION</b>		
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel	
Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image	
<b>NETWORK</b>		
Main Stream	Visible Light: 50Hz: 25fps (2688 x 1520), 25fps (1920 x 1080), 25fps (1280 x 720) Visible Light: 60Hz: 30fps (2688 x 1520), 30fps (1920 x 1080), 30fps (1280 x 720) Thermal: 1280 x 720, 704 x 576, 640 x 480, 352 x 288, 320 x 240	
Sub Stream	Visible Light: 50Hz: 25fps (704 x 576), 25fps (352 x 288), 25fps (176 x 144) Visible Light: 60Hz: 30fps (704 x 480), 30fps (352 x 240), 30fps (176 x 120) Thermal: 704 x 576, 352 x 288, 320 x 240	
Video Compression	H.265/H.264/MJPEG	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP	
Simultaneous Live View	Up to 20	
User/Host Level	Up to 32 users, 3 levels: Administrator, Operator, User	
Security	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	
<b>INTEGRATION</b>		
Alarm Input	1-ch inputs (0-5 VDC)	
Alarm Output	1-ch relay outputs, alarm response actions configurable	
Alarm Action	SD recording/relay output/smart capture/FTP upload/email linkage/audio alarm/white light alarm	
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p]	
Audio Output	Linear level	
Reset	1Reset Button	
Communication Interface	1- RJ45 10M/100M Self-adaptive Ethernet interface 1- RS-485 interface	
Storage	Built-in MicroSD card slot, supporting MicroSD/SDHC/SDXC card (up to 256 G), supports manual/alarm recording	
Analog Video Output	1.0 V [p-p]/75 $\Omega$ , PAL/NTSC	
Application Programming	Open-ended API and third-party management platform	
<b>GENERAL</b>		
Power	12 VDC $\pm 20\%$ , two-core terminal block PoE (802.3af, class 3)	
Power Consumption	12 VDC $\pm 20\%$ : 0.5 A, max. 6 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, max. 6.5 W	
Protection Level	IP66 Standard, TVS 6000V Lightning protection, surge protection, voltage transient protection	
Brochure	Must Include Brochure of the Products Specification	
RoHS Compliant	Yes	
Environmental Safety	Materials used are free from Brominated and Chlorinated Flame Retardants	
Warranty	3 years parts, 3 years labor, 3 years onsite Must have the manufacturer's warranty certificate	

Philippine Economic Zone Authority	ANNEX A-4
Technical Specification for Supply, Installation, Testing and Commissioning of Command Center Management Platform	

Specification	
<b>DOME FACE RECOGNITION NETWORK CAMERA</b>	
<b>CAMERA</b>	
Image Sensor	Progressive scan RGB CMOS 1/2.5"
Lens	Varifocal : 3.5-10 mm,F1.7
	Horizontal Field of View : 100 Degrees - 38 Degrees
	Vertical Filed of View : 51 Degrees - 22 Degrees
	Remote Zoom and Focus, IR Corrected,P-Iris Control
Shutter Time	1/62500 seconds to 2 seconds
Angle Adjustment	Rotation : (+/-) 95 Degrees
	Pan : (+/-) 180 Degrees
	Tilt : -40 Degrees to +75 Degrees
Illumination	Color : 0.18 lux F1.7 at 50 IRE
	B/W : 0.04 lux F1.7 at 50 IRE, 0 lux at IR Illumination ON
Day and Night	Automatically Removable Infrared-cut Filter
<b>VIDEO</b>	
Resolution	3070 X 1725
Frame rate	25/30 fps with power line frequency 50/60 Hz
Video Compression	H.264 Baseline, Main and High Profiles Motion JPEG
Image settings	Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control (including automatic gain control), Exposure zones, Fine tuning of behavior at different light levels, Forensic WDR: up to 120 dB depending on scene, Text and image overlay, Mirroring of images, Privacy masks Rotation: 0°, 90°, 180°, 270°, including Corridor Format
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth
Multi-view streaming	8 individually cropped out view areas.
Pan/Tilt/Zoom	Digital PTZ, Preset positions
<b>AUDIO</b>	
Audio Input/Output	Two-way audio connectivity I/O Interfaces with portcast technology
<b>SYSTEM INTEGRATION</b>	
Application Integration Interface	Open API for software integration Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Analytics	Camera Application Platform enabling installation of third-party applications
Event Triggers	Analytics, edge storage events, virtual inputs through API
Event Actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, IR illumination on/off
<b>NETWORK</b>	
Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1X (EAP-TLS)a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP/TM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SIP, SOCKS, SSH, LLDP, MQTT
Built-in Installation aid	Remote zoom, remote focus, pixel counter
<b>GENERAL</b>	
Casing	IP52-rated, IK08 impact-resistant, polycarbonate casing with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws
Mounting	For wall or ceiling mount .25"-20 UNC tripod screw thread
Memory	1Gb RAM, 512 MB Flash
Connectors	RJ45 10BASE-T/100BASE-TX PoE
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
IR Illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs. Range of reach 30 m (100 ft)
Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS)
Video Management Soft	Yes
Warranty	<b>3 years parts, 3 years labor, 3 years onsite</b> Must have the manufacturer's warranty certificate upon delivery

Philippine Economic Zone Authority		ANNEX A-5
Technical Specification for Supply, Installation, Testing and Commissioning of Command Center Management Platform		
<b>Specification</b>		
<b>WALK-THROUGH METAL DETECTOR</b>		
<b>METAL DETECTION</b>		
Detection Accuracy	Metal in the size like a clip (or 1/2 clip) is detectable on the middle of the detector. Goods like Belt buckle can be excluded. Copper, aluminum, and zinc (over 150 g) , controlled knife, and gun are detectable	
Anti-interference	Multiple detector can work abreast at the same time	
Multi-area alarm	Indicates the metal position on the body. Max. 18 areas	
Frequency settings:	100 frequencies can be set, and different ring tone for different frequency	
<b>THERMAL IMAGING</b>		
Sensor	Vanadium oxide uncooled sensor	
Pixel Interval	17µm	
Response Waveband	8 to 14µm	
Lens (Focal Length)	3mm	
Field of View	50 Degrees × 37.2 Degrees (Horizontal × Vertical)	
Focusing Distance	0.3m	
Aperture	1.1	
Pseudo Color	15, white heat, black heat, fusion1, rainbow, fusion2, iron oxide red1, iron	
<b>IMAGE FRAME</b>		
Thermal imaging and visible light	Thermal imaging integrated with visible light frame	
Picture in picture	Supports visible light and thermal imaging frame over lay	
Smart information overlay	Supports temperature measurement rule	
<b>VISIBLE LIGHT</b>		
Sensor	4 MP 1/2.7" Progressive Scan CMOS	
Resolution	2688×1520 at 25fps	
Illuminance	0.0018Lux at (F1.6,AGC ON) ,0 Lux with IR	
Shutter speed	1/3s to 1/100,000s	
Field angle	84 Degrees by 44.8 Degrees	
Day/Night switch	ICR	
<b>TEMPERATURE MEASUREMENT</b>		
Body temperature measurement	AI face detection, multi-target detection	
Measurement range	30 to 45°C	
Temperature exception detection	Expert mode: 10 pints, 10 frame, 21 rules on each line	
Temperature Alarm	Alarm triggered when the temperature is over the threshold	
Measurement accuracy	No black body: ±0.5°C With black body: ±0.3°C	
<b>SMART FUNCTION</b>		
Linkage alarm	Linkage of strobe light and audible alarm	
<b>COMPRESSION</b>		
Video compression	H.265/H.264/MJPEG	
Video bit rate	32 Kbps to 8Mbps	
Video standard	G.711/G.722.1/G.726/MP2L2/PCM	
Audio bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-192Kbps(MP2L2)	
<b>NETWORK</b>		
Main stream	Visible light: 50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) Visible light: 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720) Thermal Imaging: 25fps (160 × 120 (output 320 × 240))	
Sub stream	Visible light: 50Hz: 25fps (704 × 576), 25fps (640 × 480) Visible light: 60Hz: 30fps (704 × 480), 30fps (640 × 480) Thermal Imaging: 25fps (160 × 120 (output 320 × 240))	
Network protocol	IPV4/IPV6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS ,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE	
Interface protocol	ONVIF(PROFILE S,PROFILE G),ISAPI,SDK,Ehome,GB28181	
Max. live view channel number	20	
User	Three level: administrator, operator, general user	
Security	User and password authentication, HTTPS encryption, IEEE 802.1x control, IP address filtering	
<b>INTERFACE</b>		
Communication Interface	1 - RJ45 10/100M self-adaption 1 - RS-485 interface	
Alarm input	1 - 0 to 5 V alarm input	
Alarm output	1 - NO relay output, alarm type configurable	
Audio input	1 - 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p]	
Audio output	1	
<b>STORAGE</b>		
SD card slot	Micro SD/Micro SDHC/Micro SDXC card (128GB or 256GB)	
NVR storage	Supports live view/playback, rule display, alarm report, and remote configuration	
<b>GENERAL</b>		
Power supply	220V	
Power Consumption	< 25W	
Protection Level	Dome camera: IP66 Walk-through detector: IP53	
People counting	Display the number of walk-through people and people in alarm	
Warranty	<b>3 years parts, 3 years labor, 3 years onsite</b> Must have the manufacturer's warranty certificate	

## ***Section VIII. Checklist of Technical and Financial Documents***

### **Notes on the Checklist of Technical and Financial Documents**

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,  
**and**
- (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;  
**and**
- (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

#### Technical Documents

- (f) 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; **and**
- (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (j) Original duly signed Omnibus Sworn Statement (OSS);  
**and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; 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.

#### Financial Documents

- (k) The Supplier’s audited financial statements, showing, among others, the Supplier’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; **and**
- (l) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC);

**or**

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

***Class “B” Documents***

- (m) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;

**or**

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.

***Other documentary requirements under RA No. 9184 (as applicable)***

- (n) *[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.
- (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

**25 FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

