

# **BIDDING DOCUMENTS**

**SUPPLY, DELIVERY, INSTALLATION,  
CONFIGURATION, COMMISSIONING AND  
TESTING OF DATA CENTER FOR THE  
PROCUREMENT SERVICE – DEPARTMENT OF  
BUDGET AND MANAGEMENT (PS-DBM) OFFICES**

**PUBLIC BIDDING NO: 012-2022**

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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 projects 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***



**INVITATION TO BID  
FOR THE**

**SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, COMMISSIONING AND TESTING OF DATA CENTER  
FOR THE PROCUREMENT SERVICE – DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) OFFICES**

**PUBLIC BIDDING NO. 012-2022**

*FUNDING SOURCE: GOVERNMENT OF THE PHILIPPINES (GOP) THROUGH  
2022 APPROVED BUDGET OF THE PROCUREMENT SERVICE (PS)*

1. The **PROCUREMENT SERVICE** invites PhilGEPS registered suppliers to bid for the following items in accordance with the provisions of the Revised IRR of R.A. 9184:

Lot No.	Item / Description	Qty	Approved Budget for the Contract	Price of Bid Documents	Delivery Period
1	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)	1 Lot	₱ 57,336,197.65	₱ 1,000.00	Please refer to Section VI. Schedule of Requirements
2	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Philippine Government Electronic Procurement System (PhilGEPS)	1 Lot	₱ 25,620,000.04	₱ 1,000.00	Please refer to Section VI. Schedule of Requirements
<b>TOTAL</b>			<b>₱82,956,197.69</b>		

Bidders should have completed, within *five (5) years* prior to the date of submission and receipt of bids, a contract similar to the Project.

2. The summary of the bidding activities is as follows:

Advertisement/Posting of Invitation to Bid	<b>06 December 2022 (Tuesday)</b>
Issuance and Availability of Bid Documents	<b>06 December 2022 (Tuesday)</b>
Pre-Bid Conference	<b>13 December 2022 (Tuesday) ; 10:00 AM</b>
Last day of Submission of Written Clarification	<b>16 December 2022 (Friday)</b>
Last day of Issuance of Bid Bulletin	<b>20 December 2022 (Tuesday)</b>
Deadline for Submission	<b>27 December 2022 (Tuesday) ; 10:00 AM</b>
Opening of Bids	<b>Immediately after the Deadline of Submission of Bids</b>

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.
4. 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 5183 and subject to Commonwealth Act 138.
5. Interested bidders may obtain further information from the Procurement Service and inspect the Bidding Documents at the address given below during office hours.

A complete set of Bidding Documents may be acquired by interested Bidders from the PS Cashier’s Office and upon payment of a nonrefundable fee in amounts pursuant to the Schedule.

It may also be downloaded free of charge from the website of the Procurement Service – DBM (PS-DBM), provided that Bidders shall pay the nonrefundable fee for the Bidding Documents not later than the submission of their bids.

6. The PROCUREMENT SERVICE will hold a Pre-Bid Conference on **13 December 2022 (Tuesday); 10:00 AM** which shall be open to all interested parties. Pursuant to the General Community Quarantine and strict implementation of physical distancing due to the pandemic, the scheduled meeting may be accessed thru this link: [meet.google.com/kcv-oxkq-cbh](https://meet.google.com/kcv-oxkq-cbh) for online access via Google Meet.
7. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18. Bid opening shall be conducted on **27 December 2022 (Tuesday); 10:00 AM** at the Bidding Room, Conference Room, Procurement Service,

Cristobal St., Paco, Manila. Pursuant to the General Community Quarantine and strict implementation of physical distancing due to the pandemic, the scheduled meeting may be accessed thru this link: [meet.google.com/aku-vobb-mmb](https://meet.google.com/aku-vobb-mmb) for online access via Google Meet. Bids will be opened in the presence of the Bidders' representatives who choose to attend the opening. **Late bids shall not be accepted. Unsealed or unmarked bid envelopes shall also be rejected.**

8. Bidders shall drop their duly accomplished eligibility requirements, technical and financial proposals in two separate sealed envelopes in the designated bid box located at the 2<sup>nd</sup> Floor of the Procurement Service.
9. The PROCUREMENT SERVICE reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.
10. For further information, please refer to:

*PS-Internal Bids and Awards Committee  
Secretariat, Internal BAC  
General Administrative Division  
2<sup>nd</sup> Floor, PS Complex  
Procurement Service-PhilGEPS  
Cristobal Street, Paco, Manila  
[cpelayo@ps-philgeps.gov.ph](mailto:cpelayo@ps-philgeps.gov.ph)*

**SIGNATURE REDACTED**

**MARIA JENNIFER R. JIMENEZ**

*Chairperson, Internal Bids and Awards Committee*



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

## 1. Scope of Bid

The Procuring Entity, *Procurement Service - DBM* wishes to receive Bids for the *Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM) Offices* under a RA 9184, with Public Bidding No.012-2022.

The Procurement Project (referred to herein as “Project”) is composed of **two (2) Lots**, the detail of which is described in Section VII (Technical Specifications).

## 2. Funding Information

2.1. The Government of the Philippines (GOP) through the source of funding as indicated below for **2022** in the amount of *Eighty Two Million Nine Hundred Fifty Six Thousand One Hundred Ninety Seven and Sixty Nine Centavos (₱ 82,956,197.69)*.

2.2. The source of funding is:

*Procurement Service Funds*

## 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. 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.
- 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:

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:

Subcontracting is not allowed.

- 7.2. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address as indicated in paragraph 6 of the **IB**.

## 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 *five (5) years* 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.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## 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.
    - i. 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 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 *one hundred twenty (120) calendar days from the opening of bids*. 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.



## 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 maybe. 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: 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

- 20.1. 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***

## Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p>a. <u><i>Any contract for the Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center.</i></u></p> <p>b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.</p>
7.1	<i>Subcontracting is not allowed.</i>
12	<p>The price of the Goods shall be quoted <b><i>DDP PS Warehouse, PS Complex, RR Road Cristobal St., Paco, Manila</i></b> or the applicable International Commercial Terms (INCOTERMS) for this Project.</p>



14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:				
	<b>Lot No.</b>	<b>Item/Description</b>	<b>Amount Cash, Cashier's / Manager's Check, Bank Draft/ Guarantee/ Irrevocable Letter of Credit (2%)</b>	<b>Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission (5%)</b>	<b>Bid Securing Declaration (Pursuant to GPPB Resolution No. 03-2012)</b>
	1	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)	₱ 1,146,723.953	₱ 2,866,809.8825	Please see Section VIII attached as Annex “H”
	2	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Philippine Government Electronic Procurement System (PhilGEPS)	₱ 512,400.0008	₱ 1,281,000.002	
15	<p>Each Bidder shall submit one (1) original and one (1) copy of the first and second components of its bid.</p> <p>The duplicates- i.e. copy 1, must include the same documents as that of the original set of documents. In case, however, a bidder opts to submit cash as bid security, copy 1 need not contain photocopies of the same.</p>				



19.3

The NFCC computation, if applicable, must be sufficient for all the lots or contracts to be awarded to the Bidder:

Lot No.	Quantity	Item/Description	Approved Budget for the Contract
1	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)	₱ 57,336,197.65
2	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Philippine Government Electronic Procurement System (PhilGEPS)	₱ 25,620,000.04



20.2	<p>For purposes of Post-qualification the following document(s) shall be required:</p> <ol style="list-style-type: none"> <li>1. Income Tax Returns for year 2021 (BIR Form 1701 or 1702).</li> <li>2. Latest Value Added Tax Returns (Forms 2550M and 2550Q) or Percentage Tax Returns (Form 2551M). For this requirement, covering the past six months prior to the opening of bids.</li> </ol> <p><i>The income tax and business tax returns stated above should have been filed through the Electronic Filing and Payment System (EFPS). However, exceptions issued by the BIR are recognized subject to validation and verification.</i></p> <ol style="list-style-type: none"> <li>3. Proof of completion of the single largest contract as identified in the Statement of Single Largest Contract, which shall be copy of any verifiable document(s) such as but not limited to the following: (a) Contract/s or Purchase Order/s; (b) corresponding Sales Invoice/s; (c) Official Receipt/Cash Receipt/Collection Receipt; and (d) Certificate of Satisfactory Completion.</li> <li>4. Submission of proof of evidence as proof of compliance with the bidder's actual offer, if applicable.</li> </ol> <p><i>In the column "Bidder's Compliance", the bidder must state "comply" against each of the individual parameters of each specification corresponding to performance parameter of equipment offered. Statement of "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 or distributor's un-amended sales literature, unconditional statements or specification and compliance issued by the manufacturer or distributor, samples, independent test data etc., as appropriate.</i></p> <ol style="list-style-type: none"> <li>5. Certification of Satisfactory Performance from previous or current contract within five (5) years.</li> </ol> <p><b>Note:</b> All licenses, certifications, and permits including Mayor's/Business Permit, Business Registration Certificate, and Latest Audited Financial Statement required <b>SHALL BE CERTIFIED /AUTHENTICATED</b> as true copy of the original by the issuing government office or agency or private company.</p> <p>In the absence of CTC, the BAC may require presentation of the original documents for the purposes of verification, validation, and ascertaining its authenticity.</p> <p><b>In case the PhilGEPS Certificate of Registration or any documents listed under its Annex A has expired after the bid opening, the bidder is required to submit the said documents anytime during the post-qualification stage or prior to Award.</b></p> <p><i>N.B. Documents submitted during post-qualification as part of post-qualification documents must be certified by the authorized representative to be true copy/ies from the original.</i></p>
21.1	No further instructions.



## ***Section IV. General 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 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**

- 5.1. 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.
- 5.2. 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***

## Special Conditions of Contract

GCC Clause	
1	<p>The Project Sites are:</p> <p><b><i>1. Procurement Service - DBM Main Office – RR Road Cristobal St. Paco, Manila; and</i></b></p> <p><b><i>2. PhilGEPS Office, AAP Tower - Aurora Blvd., New Manila, Quezon City</i></b></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 <i>[indicate place of destination]</i>. 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 Representatives at the Project Sites are:</p> <p>Mr. Karl Michael R. Espejo ITO I, IT Services Division Office Address: Procurement Service - DBM RR Road, Cristobal St. Paco Manila, 1007 Email Address: <i>mespejo@ps-philgeps.gov.ph</i></p> <p>Mr. James Angub OIC-Chief, eGP Division Office Address : PhilGEPS AAP Tower, Aurora Blvd. New Manila, Quezon City Email Address : <i>jangub@ps-philgeps.gov.ph</i></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:</p> <ol style="list-style-type: none"> <li>performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> </ol>
	<ol style="list-style-type: none"> <li>performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>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.</li> </ol>
	<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>



- 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
- b. in the event of termination of production of the spare parts:
  - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of five (5) years.

Spare parts or components shall be supplied as promptly as possible, but in any case, within one (1) month of placing the order.

#### **Packaging –**

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.

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.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity  
 Name of the Supplier  
 Contract Description  
 Final Destination

	<p>Gross weight</p> <p>Any special lifting instructions</p>
	<p>Any special handling instructions</p> <p>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	Monthly payments will be made based on actual service rendered upon submission of billing statements and issuance of certificate of acceptance from the end-user.
4	No further instruction.
5.1	<p><b>Warranty Retention</b></p> <p>Consistent with Section 62 of the Revised IRR of RA 9184 and GPPB Resolution No. 30-2017.</p> <p>Lot 1: One (1) year after acceptance by the Procuring Entity of the delivered and commissioned goods. The obligation of the warranty shall be covered by either retention money in the amount equivalent to one percent (1%) of each payment, or special bank guarantee equivalent to one percent (1%) of the total contract price.</p> <p>Lot 2: Six (6) months from the issuance of certificate of final acceptance, the winning bidder can claim the retention fee. The obligation of the warranty shall be covered by either retention money in the amount equivalent to three percent (3%) of each payment, or special bank guarantee equivalent to three percent (3 %) of the total contract price.</p> <p>The said amount shall only be released after the lapse of the warranty period.</p>



## ***Section VI. Schedule of Requirements***

Lot No.	Qty	Item/Description	Delivery period
<b>1</b>	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)	Within <b>Three Hundred (300) Calendar Days</b> from the issuance of Notice to Proceed.
<b>2</b>	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Philippine Government Electronic Procurement System (PhilGEPS)	Within <b>Ninety Days (90) Calendar Days</b> from the issuance of Notice to Proceed.

**I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.**

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Name of Company

Signature Over Printed  
Name of Authorized  
Representative

Date

## ***Section VII. Technical Specification***

LOT NO. 1 : **Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)**

QUANTITY : **1 lot**

APPROVED BUDGET FOR THE CONTRACT : **₱ 57,336,197.65**

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
<b>Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)</b>  <i>- Conforms to the Terms and Conditions on the attached Terms of Reference</i>	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

_____	_____	_____
Name of Company	Signature Over Printed Name of Authorized Representative	Date



## **Terms of Reference**

### **Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for the Procurement Service - Department of Budget and Management (PS-DBM)**

#### **A. BACKGROUND**

The Procurement Service-Department of Management (PS-DBM) is mandated to operate a government-wide procurement system, monitor prices of common use supplies, materials and equipment, identify the supplies, materials and such other items, including equipment and construction materials, which can be economically purchased through centralized procurement and which is within the scope of its activity, identify the sources of supply which are able to offer the best prices, terms and other conditions for items procured by the government, continuous evaluation, development and enhancement of its procurement system, coverage and procedure and management and maintenance of the Philippine Government Electronic Procurement System (PhilGEPS).

In order to effectively fulfill said mandate and facilitate the delivery of the PS-DBM core functions and to provide Smart Procurement Solutions. PS-DBM maintains the 24/7 operations of the Server Room, which host all various application servers, CCTV System, PABX System and other network equipment.

To ensure high availability, service continuity and achieve sustainable improvements in crisis management capability and compliance to industry standards, the necessity to upgrade the existing Server Room to a fully functional Data Center (DC) is vital. This will serve and host the data requirements of all PS-DBM applications.

The Data Center will include the following infrastructure components:

1. Site Preparation (Civil, Mechanical, Electrical Works and Structured Cabling)
2. Uninterruptible Power Supply (UPS)
3. Power Distribution Units
4. Equipment / Server Rack(s)
5. Precision Air-Conditioning Units
6. Fire Detection, Alarm, and Suppression System
7. Environmental Monitoring System (with GSM Modem)
8. Door Access System
9. Server, Licenses, Storage, Services (Hyperconverge Infrastructure)
10. Active Directory (Installation, Configuration, Testing)

#### **B. OBJECTIVES**

- 
- To ensure protection and security of the agency's existing ICT investments (servers, storages, firewalls, routers, switches);
  - To ensure the availability of all software applications (FACT and other administrative systems);

- To ensure a dependable and efficient ICT support services (internet, intranet, database and printer sharing, etc.); and
- To establish an Active Directory of Local Area Networks (LANs) for secured management of network resources.

### C. TECHNICAL SPECIFICATIONS

The bidder shall provide the supply, delivery, installation and commissioning the following minimum technical specifications:

Lot No. 1	<p>DATA CENTER for Procurement Service - Main Office</p> <p>Components:</p> <ol style="list-style-type: none"> <li>1. Site Preparation (Civil, Mechanical, Electrical Works and Structured Cabling)</li> <li>2. Uninterrupted Power Supply (UPS)</li> <li>3. Power Distribution Unit</li> <li>4. Precision Air-conditioning Unit</li> <li>5. Fire Detection, Alarm, and Suppression System</li> <li>6. Equipment/Server Rack</li> <li>7. Environmental Monitoring System (with GSM Modem)</li> <li>8. Door Access System</li> <li>9. Server, Licenses, Storage, Services (Hyperconverge Infrastructure)</li> <li>10. Active Directory (installation, configuration, testing)</li> </ol>
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<p><b>Component 1</b></p>	<p><b>Site Preparation (Civil, Mechanical and Electrical Works and Structured Cabling)</b></p> <p><b>A. General Scope:</b></p> <p>The contractor shall renovate the existing PS-DBM Server Room and the IT Services Division (ITSD) Office Space area following the proposed layout as specified under the Scope of work (D.D.13.11) of this TOR.</p> <ol style="list-style-type: none"> <li><b>1. ELEVATION:</b> The Data Center area shall be Four Hundred (400) mm higher than the IT Services Division Office space.</li> <li><b>2. Enclosure:</b> The contractor shall install Concrete Hollow Blocks (CHB) wall to enclose the existing door of the server room, demolish the existing wall between the IT office space area and the server room to accommodate expansion to be used for the data center.</li> <li><b>3. Painting:</b> The contractor shall paint all new wall installations and re-painting of refurbished existing walls, including refurbishment of existing ceiling affected by the improvement works.</li> <li><b>4. Electrical:</b> The contractor shall provide lighting fixtures and installation of new switches and normal power outlets.</li> <li><b>5. Mechanical:</b> The contractor shall install two (2) Units 30KW capable Cabinet Type Precision Air Conditioning Units aligned with the Data Cabinets, and the respective outdoor Units to pre-arrange location, including One (1) 1TR (for the Office Space area) and One (1) 3TR (for the Data Center) Ceiling Mounted Split Air Conditioning Unit, Inverter type with the respective outdoor units to pre-arrange location in the same floor.</li> <li><b>6. Fire Exit:</b> The contractor shall install a Fire Exit Door from the data center to the adjacent path hall.</li> </ol> <p><b>B. Electrical / Fire Suppression Gas Tank:</b></p> <ol style="list-style-type: none"> <li><b>1. Gas Tank:</b> The contractor shall fabricate a metal mounting for the Fire Suppression Gas Tank which should be located at the ledge of the PS-DBM building adjacent to the Server room.</li> </ol>
	<ol style="list-style-type: none"> <li><b>2. Painting:</b> The contractor shall paint new wall installations &amp; new doors and re-painting of refurbished existing walls on the improvement works.</li> </ol>



3. **Electrical:** The contractor shall provide lighting fixtures and installation of new switches and normal power outlets.

### **C. Elevated Genset Pad**

General Scope: The Contractor shall design and build the erection of an Elevated Genset Pad over the existing Genset House with corresponding external fuel tank.

1. Foundation: The Contractor shall conduct Excavation, backfilling, and dewatering as required for foundations, and concrete structures installation. Including forming, placing, and finishing of all concrete foundations, floor slab, and concrete structures including reinforcement and installation of anchor bolts, post installed anchors, gaskets, special fasteners and connections needed, and all other necessary embedded materials.

0. The Contractor shall install a retractable metal staircase at the rear side of the elevated Genset House.

0. The Contractor shall Install Grid Wall Panel Wire Mesh for the GenSet House walling with two sliding door openings on the rear side of the GenSet House.

### **D. Mechanical Works**

General Scope: The Contractor shall design and build provision for cooling for the Data Center with a corresponding back-up system.

1. The Contractor shall deliver, install, configure and commission two (2) units of 300mm x 1000mm flexible cabinet type cooling system, 30Kw capable at the Data Center.

0. The Contractor shall deliver, install, and commission a One (1) 1TR (for the ITSD Office Space Area) and One (1) 3TR (for the Server Roo) ceiling mounted split type Inverter, at the Data Center.

0. The Contractor shall fabricate and install outdoor unit supports.

	<p>0. The Contractor shall install and layout the refrigerant piping system, condensate drain &amp; humidifier line system, including required electrical works and electrical controls for A/C equipment.</p> <p><b>E. Electrical Works</b></p> <p>General Scope: The Contractor shall design and build power wiring requirements of the Data Center for cooling, and Network Equipment and Components.</p> <p>1. The contractor shall conduct layout of raceways, wiring, provide protection requirements, testing and termination of power supply to UPS, PDU's, PACU, FM200 and CRAC.</p> <p>2. The contractor shall conduct the layout of raceways, wiring, provide protection requirements, testing and termination of power supply from Genset to ATS.</p> <p>3. The contractor shall conduct layout of raceways, wiring, provide protection requirements, testing and termination to provided and installed panelboards, ECB's, external maintenance by-pass, and 50 kVA transformer.</p> <p><b>F. Structured Cabling</b></p> <p>General Scope: The Contractor shall provide data and voice connectivity requirements of the Data Center.</p> <p>1. Layout, termination and testing of Cat 6 UTP backbone for ISP 1 and ISP 2 switch.</p> <p>0. Layout, termination and testing of 6-core multimode fiber backbone from the existing data center to the new data center.</p> <p>0. Supply and installation of patch panel, fiber panel, cable managers, UTP patch cords, LC-to-LC fiber patch cords, and data cabinets</p>
<b>Component 2</b>	<p><b>Uninterrupted Power Supply (UPS), Brand New</b></p> <p>Scope of Work: Supply, installation, configuration, testing and commissioning</p>



Quantity: One (1) unit

Sizing: The UPS shall be sized for 32kVA and 32kW load, scalable to 48kW, 400V

### **Output**

- AC Output Nominal Output: 3x380 V/220 V, 3x400 V/230 V or 3x415 V/240 V with L1, L2, L3, N, PE
- Output frequency regulation: Frequency is synchronized to bypass input when available over the standard range. Optional +/-0.1 Hz and +/-10 Hz setting from the front panel.
- At no bypass input present output frequency is 60 Hz.
- AC Output Voltage Regulation: +/- 1%. For 100% linear load +/- 3% for 100% non-linear load.
- Voltage Transient Response: +/- 5% maximum for 100% load step
- Voltage Transient Recovery within <50 milliseconds
- Output Voltage Harmonic Distortion:  
<2% THD maximum for a 100% linear load  
<5% THD maximum for a 100% non-linear load as defined by EN50091- 3/IEC 62040-3

### **Input**

- AC Input Nominal Voltage: 3x380 V/220 V, 3x400 V/230 V or 3x415 V/240 V with L1, L2, L3, N, PE
- AC Input Voltage Window: 340 - 477 at 100% load and 200 - 477 at 50% load
- Maximum Frequency Range: 40-70Hz (autosensing)
- Input Power Factor: > .99 at load greater than 25%.
- Input Current Distortion with no additional filters: < 5% at 100% load
- Soft-Start: Shall be linear from 0-100% input current and shall not exhibit inrush. This shall take place over a 10 seconds time period

### **Battery**

- Type: Valve Regulated Lead Acid (VRLA)
- Nominal Battery voltage: +/-192 VDC (2x96 cells at 2 V)
- Float voltage: +/-218 VDC (2x96 cells at 2.27 V)
- End of discharge voltage (full load): +/-154 VDC (2x96 cells at 1.6 V)
- End of discharge voltage (no load): +/-168 VDC (2x96 cells at 1.75 V)
- Battery Service Life: 5 years

### **Display and Controls**

- The UPS shall be controlled by two fully redundant, user-replaceable/swappable control modules. These modules shall



	<p>have separate, optically isolated, communication paths to the power and static switch modules.</p> <ul style="list-style-type: none"> <li>• Logic power for the control modules shall be derived from redundant power supplies, each having a separate AC and DC input and output. The communication of the control modules shall be of Controller Area Network (CAN Bus).</li> <li>• Display Unit: A microprocessor-controlled display unit shall be located on a hinged door in the front of the system. The display shall consist of an alphanumeric display with backlight, four LEDs for quick status overview, and a keypad consisting of pushbutton switches.</li> <li>• Event log: The display unit shall allow the user to display a time and date stamped log of the most recent status and alarm events.</li> <li>• Controls: The following controls or programming functions shall be accomplished by use of the display unit. Pushbutton membrane switches shall facilitate these operations. <ul style="list-style-type: none"> <li>1. Silence audible Alarm</li> <li>2. Display or set the date and time</li> <li>3. Enable or disable the automatic restart feature</li> <li>4. Transfer critical load to and from static bypass</li> <li>5. Test battery condition on demand</li> </ul> </li> </ul> <p><b>Software and Connectivity</b></p> <ul style="list-style-type: none"> <li>• Network Adaptor: The Network Management Card shall allow one or more network management systems (NMS) to monitor and manage the UPS in TCP/IP network environments.</li> <li>• Unattended Shutdown: The UPS, in conjunction with the network adaptor, shall be capable of gracefully shutting down one or more operating systems.</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• Three (3) years of parts warranty and one (1) year for battery</li> <li>• Manufacturer shall provide preventive maintenance annually during the three (3) years warranty period.</li> </ul> <p>Must have an Authorized Service Partner/Center in Metro Manila.</p>
<b>Component 3</b>	<p><b>Power Distribution Unit (PDU), Brand New</b></p> <p>Scope of Work: Supply, installation, testing and commissioning</p> <p>Quantity: Ten (10) units</p> <ul style="list-style-type: none"> <li>• Two (2) rack PDU per rack</li> </ul>

	<ul style="list-style-type: none"> <li>• Must be same brand as offered Rack Cabinet, PACU and UPS</li> <li>• Shall come with a 3m power cord and terminate with a 32A, 3-pin IEC-309 2P+G connector.</li> <li>• Shall have capability to daisy-chain up to 4 rack PDU so that only one IP address is required.</li> <li>• Shall have 1-pole Hydraulic-magnetic circuit breakers</li> </ul> <p>Type: 1 Phase, Metered Orientation: Vertical Rated: 32A Output connections: (36) IEC 60320 C13 and (6) IEC 60320 C19 locking outlets Nominal Voltage: 230V</p> <p>Display and Management</p> <ul style="list-style-type: none"> <li>• Shall have User-interactive LCD display for local access</li> <li>• Can be managed through Web Interface, CLI or network management module/protocol</li> <li>• Shall have Local USB port for easy local firmware updates</li> <li>• Shall have Active current measurements (amps) and power metering capability</li> <li>• Shall have User-customizable alarms and warnings</li> <li>• Shall have Embedded log memory to record/review/report historic metered data</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• Three (3) years warranty for unit repair/replacement</li> </ul>
<b>Component 4</b>	<p><b>Precision Air Conditioning Unit (PACU) - Brand New</b></p> <p>Scope of Work: Supply, installation, configuration, testing and commissioning</p> <p>Quantity: Two (2) units</p> <ul style="list-style-type: none"> <li>• Type: Air-cooled and row-based type</li> <li>• Total net cooling capacity: 100 (up to 29.5) MBH (kW)</li> <li>• Net sensible cooling capacity: 97 (up to 28.5) MBH (kW)</li> <li>• Return air dry bulb temperature: 105 (40) °F (°C) DB</li> <li>• Return air wet bulb temperature: 71 (22) °F (°C) WB</li> <li>• Humidity: 18</li> <li>• Air Volume: 3,200 (5,450) 3 CFM (m3/s)</li> <li>• Humidifier capacity: 6.6 (3.0) lb/hr (kg/hr).</li> <li>• Humidifier input kW: 1950W</li> <li>• Reheat capacity: 3.0 (10,200) kW (BTU/hr)</li> <li>• Indoor electrical supply: 230V / 60Hz</li> <li>• Outdoor electrical supply: 400V / 60Hz</li> <li>• Piping Connection: Top or bottom</li> </ul> <p>Shall have the following:</p> <ul style="list-style-type: none"> <li>• Network Management Card (NMC)</li> </ul>



	<ul style="list-style-type: none"> <li>• Temperature control: Cooling modes</li> <li>• User Interface: 4.3 inch color touchscreen display to allow navigation between menus, select items and input information</li> <li>• Microprocessor controller to log and display all available events.</li> <li>• With Piping and Control cable connection</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>- Three (3) years warranty for unit repair/replacement</li> <li>- Provide an SLA of Next Business Day Onsite support during warranty period.</li> </ul> <p>Must have an Authorized Service Partner/Center in the Metro Manila</p>
<b>Component 5</b>	<p><b>Fire Detection, Alarm, and Suppression System - Brand New</b></p> <p>Scope of Work:</p> <ol style="list-style-type: none"> <li>1. Supply and installation of Clean Agent Fire Protection System</li> <li>2. Programming of Control Panel, Testing and Commissioning</li> <li>3. Product Seminar and transfer of Technology</li> <li>4. Submission of Operations Manual (English)</li> <li>5. Hydrostatic Pressure Test and Puff Test for Mechanical Network Piping and Flow Calculations</li> <li>6. Supply, Installation of the following Mechanical and Electrical materials: <ol style="list-style-type: none"> <li>a. Clean Agent Cylinder and Bracket</li> <li>a. Manifold Piping System</li> <li>b. Pipe Brackets and Hanger</li> <li>c. Discharge Nozzles</li> <li>d. B.I. Pipe Schedule 40</li> <li>e. Electrical Conduits (EMT Pipe), Boxes and Fittings</li> <li>f. Wires and Anchors</li> <li>g. Releasing Control Panel</li> <li>h. Smoke Detectors, Bell and Horn Strobe</li> <li>i. Abort Station and Manual Pull</li> <li>j. Rough-in-wirings.</li> </ol> </li> </ol> <p>Quantity: One (1) lot</p> <ul style="list-style-type: none"> <li>• Shall be computed for the entire data center area</li> <li>• Shall be C6F12O Factory Filled and Pressurized clean agent fluid</li> <li>• Shall have discharge nozzle</li> <li>• Shall include a control panel with transformer and battery.</li> <li>• Shall be interfaced to PACU from the control panel for automatic shut-off in case of smoke detection.</li> <li>• Shall have at-least conventional smoke detector and base</li> <li>• Shall include strobes, horns and bells</li> <li>• Shall have manual release and abort switches</li> <li>• Shall provide complete signage.</li> </ul>



	<ul style="list-style-type: none"> <li>• Shall submit hydraulic flow calculations and drawings</li> <li>• Shall provide certification from the distributor that they are certified users of Clean Agent refilling stations located in the Philippines.</li> <li>• Shall provide electrical and mechanical system tests to guarantee proper operation before turn over.</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• One (1) year on Clean Agent Fire Protection System workmanship</li> <li>• Three (3) years warranty for unit repair/replacement</li> <li>• Provide an SLA of Next Business Day Onsite support during warranty period.</li> </ul> <p>Must have an Authorized Service Partner/Center in Metro Manila</p>
<b>Component 6</b>	<p><b>Equipment / Server Rack - Brand New</b></p> <p>Scope of Work: Supply and installation</p> <p>Quantity: Five (5) units</p> <p>Rack Height: 42U Color: Black Rack width: at least 19 Inches Protection class: minimum of IP20 rating</p> <p>Server Rack shall be same brand with the UPS, PACU and Power distribution unit</p> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• Three (3) years warranty for unit repair/replacement.</li> </ul>
<b>Component 7</b>	<p><b>Environmental Monitoring System (with GSM Modem), Brand New</b></p> <p>Scope of Work: Supply, installation, configuration, testing and commissioning</p> <p>Quantity: One (1) lot</p> <p>Shall have the following:</p> <ul style="list-style-type: none"> <li>• Integration with user-defined alerts features</li> <li>• Adjustable alert thresholds</li> <li>• Provide alerts by attaching video clips, graphs, and maps.</li> <li>• Support the following sensors: temperature, humidity, vibration, smoke, and spot/water leak.</li> <li>• Support email notifications alerts.</li> <li>• Web interface GUI.</li> <li>• Support communication protocols of TCP/IP; HTTP; HTTPS; SMTP; SNMP v1, v2c, and v3; DHCP; DNS; Socks v4 or V5 Proxy Server; A-Link</li> </ul>

	<ul style="list-style-type: none"> <li>● Shall include an external GSM Modem Gateway with at least 3 SIM slots for SMS Alert</li> <li>● Shall support 78 universal sensors.</li> <li>● Send Email Notifications for system events</li> <li>● Various levels of access</li> <li>● Multiple user logon feature which allows up to four (4) users to access the appliance simultaneously.</li> <li>● Event logging</li> <li>● Security protocols for authentication and encryption</li> <li>● Supports all types of email alerts (SMTP) and SNMP</li> <li>● All messages are date / time stamp for monitoring and tracking purposes</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>● Three (3) years warranty for unit repair/replacement.</li> </ul>
<b>Component 8</b>	<p><b>Door Access System, Brand New</b></p> <p>Scope of Work: Supply, installation, testing and commissioning</p> <p>Quantity: One (1) lot</p> <p>Quantity: Two (2) units Door Access Control</p> <p>Fingerprint Capacity: 3,000  Transaction Capacity: 100,000  Capable to record : 50,000 events  Communication: RS232/485, TCP/IP, USB-Client, USB-Host  LCD Display: 3.0" TFT LCD Screen  Sensor: Optical Sensor  Verification method: Fingerprint + Password  Language: English for machine and its software  Access Control Interface: 3rd party electric lock, door sensor, exit button, alarm, doorbell  Backup: With Built-in battery 2000mAh  Central Management Dashboard</p> <ul style="list-style-type: none"> <li>● Central Management Dashboard</li> <li>● Guarantee that only authorized individuals gain access to predetermined locations</li> <li>● Logs all door access</li> </ul> <p>Bundled with a One (1) set desktop unit with the following:</p> <ul style="list-style-type: none"> <li>● Processor: 6C / 12T, 2.9 / 4.3GHz, 12MB</li> <li>● Memory: 8GB UDIMM DDR4-2666</li> <li>● Storage: 512GB SSD M.2 2280 PCIe</li> <li>● OS: Licensed OEM OS installed should be compatible with Door Access System Application.</li> <li>● Monitor: 21.5"</li> </ul>



	<ul style="list-style-type: none"> <li>• Peripherals: Keyboard, Mouse (same brand model)</li> <li>• Back-UPS</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• Three (3) years warranty for unit repair/replacement.</li> </ul>
<b>Component 9</b>	<p><b>.Server, Licenses, Storage, Services (Hyperconverge Infrastructure)</b></p> <p>Quantity: One (1) lot</p> <p><b>A. General Requirement:</b></p> <ul style="list-style-type: none"> <li>• The proposed solution must be a hyperconverged infrastructure (HCI) solution that combines storage, network, compute and virtualization.</li> <li>• The proposed HCI solution must be 100% software-defined with no dependencies on proprietary hardware.</li> <li>• The proposed solution must include all accessories such as but not limited to transceivers, cables and railing kits.</li> <li>• The proposed solution must include all software licenses and their appropriate quantities to run the solution.</li> <li>• Migration of all existing physical servers to a Hyper Converged environment.</li> </ul> <p><b>B. Hardware Requirements:</b></p> <ul style="list-style-type: none"> <li>• The proposed HCI solution must include redundant components with no single point of failure in the system.</li> <li>• The proposed HCI solution must have a dedicated cluster with a minimum of three (3) servers or nodes for high availability. This cluster must have the following minimum requirements per server or node to run virtual machines: <ul style="list-style-type: none"> <li>.CPU: 2 x 12 core @ 2.1 GHz</li> <li>i.RAM: 24 x 32 GB memory modules DDR 4-3200</li> <li>ii.HDD: 8 x 6 TB SAS</li> <li>iii.SDD: 4 x 3.84 TB</li> <li>iv.NIC: 2 x 10 Gbe SFP+ NIC</li> <li>v.Usable capacity of at least 99 TiB (without compression or deduplication)</li> <li>vi.Redundant Hot Swap supply 800W</li> </ul> </li> </ul> <ul style="list-style-type: none"> <li>• The proposed HCI solution must have a second dedicated cluster with a minimum of three (3) servers or nodes for high availability.</li> </ul>



This second dedicated cluster will act as a file storage. It must have the following minimum requirements per server or node:

- .CPU: 2 x 12 Core @ 2.1Ghz
- i.RAM: 12 x 16GB memory modules DDR4-3200
- ii.HDD: 6 x 12TB HDD
- iii.SSD: 2 x 3.84TB SSD
- iv.NIC:2x 10Gb SFP+ NIC
- v.Usable capacity of at least 52 TiB (without compression or deduplication)
- vi.Redundant Hot Swap Power supply 800W

### **C. Architectural Requirement:**

- Proposed solution must have one (1) dedicated cluster for virtual machines and one (1) dedicated cluster for file storage. Each cluster must comply with the minimum requirements stated in the Hardware Requirements section.
- The solution must have the capability to automate and orchestrate disaster recovery failover scenarios.
- The proposed HCI solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving choice and avoiding vendor lock-in.
- The proposed HCI solution must be easily scalable.

### **D. Management Requirements:**

- The proposed HCI solution must include a single management interface.
- The management interface must be built into the system, scale with the cluster, and must be based on HTML5 to limit security risks.
- The management interface must support management of multiple HCI clusters.
- The creation of disaster recovery tasks or policies must be performed on the same management interface.
- The management interface must have the following features to improve day-to-day administration tasks:
  - .Custom dashboards
  - i.Predictive analysis and virtual machine efficiency optimization
  - ii.Capacity planning and forecasting
  - iii.Automated report generation
  - iv.Automated admin tasks based on created policies

### **E. Warranty:**

	<ul style="list-style-type: none"> <li>• Three (3) years warranty for unit repair/replacement with the option to extend its warranty before expiration of warranty period.</li> <li>• The proposed solution must include 24x7x365 software maintenance and support for all hardware and software components, including updates and patches as well as technical support availability via telephone, email, and web.</li> <li>• The proposed solution must comply with at least next-business-day parts replacement for the entire term duration.</li> </ul> <p>F. Other Requirements:</p> <ul style="list-style-type: none"> <li>• Must have an Authorized Service Partner/Center in Metro Manila</li> </ul> <p><b>II. Switches, Brand New</b></p> <p><b>A. Switch</b></p> <ul style="list-style-type: none"> <li>• Quantity: Two (2) units</li> <li>• CPU: 2.4GHz</li> <li>• Memory: 16GB RAM, 64GB SSD, and 8GB Flash</li> <li>• I/O ports and slots: Supports 48 ports of 10GBASE-T and 6 ports of 40G for use with QSFP+ transceivers</li> <li>• Power supplies: Field-replaceable, hot-swappable, and up to 2 power supplies.</li> <li>• Switching Capacity: 2.5 Tbps</li> <li>• IPv4 Host Table: 120,000</li> <li>• IPv6 Host Table: 52,000</li> <li>• IPv4 Unicast Routes: 131,072</li> <li>• IPv6 Unicast Routes: 32,732</li> <li>• MAC Table Size: 98,304</li> <li>• IGMP Groups: 4,094</li> <li>• MLD Groups: 4,094</li> <li>• IPv4 Multicast Routes: 4,094</li> <li>• IPv6 Multicast Routes: 4,094</li> <li>• Frequency: 50-65Hz</li> <li>• AC Voltage: 100-127 and 200-240 with either 50 or 60Hz VAC</li> <li>• Fans: Field-replaceable, hot-swappable, and up to 5 fans.</li> <li>• Mounts on an standard 19 inch rack</li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>• Provides 2.5Tbps for bidirectional switching and 1,905 Mpps for forwarding</li> <li>• Allows high-performance backups and disaster-recovery systems; provides a maximum frame size of 9K bytes</li> </ul>
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	<ul style="list-style-type: none"> <li>• Allows to insert and enable all unsupported 1G and 10G transceiver and cable</li> <li>• Supports internal loopback testing for maintenance purposes and increased availability; loopback detection protects</li> <li>• Protects against unknown broadcast, multicast, or unicast storms with user-defined thresholds</li> <li>• Enable congestion avoidance</li> <li>• Allows replacement of accessories modules without any operational impact on other modules nor the switch operations</li> <li>• Supports intelligent monitoring, visibility, and remediation</li> <li>• Support for automated configuration and verification</li> <li>• Support for server applications such as load balancer</li> </ul> <p><b>B. Switch</b></p> <ul style="list-style-type: none"> <li>• Quantity: Two (2) units</li> <li>• CPU: 1.8 Ghz</li> <li>• Memory: 8 GB DDR4, 32 GB eMMC</li> <li>• Switching Capacity: 880 Gbps</li> <li>• I/O ports and slots: <ul style="list-style-type: none"> <li>• Twenty-four (24), ports 10/100/1000 BaseT ports</li> <li>• 1G/10G/25G1 SFP ports</li> <li>• One (1), USB-C Console Port</li> <li>• One (1), OOBM port</li> <li>• One (1), USB Type A Host port</li> <li>• One (1), Bluetooth dongle, one (1) unit</li> </ul> </li> <li>• System Throughput Capacity: 660 Mpps</li> <li>• IPv4 Host Table: 49,152</li> <li>• IPv6 Host Table: 49,152</li> <li>• IPv4 Unicast Routes: 61,000</li> <li>• IPv6 Unicast Routes: 61,000</li> <li>• MAC Table Size: 32,768</li> <li>• IGMP Groups: 8,192</li> <li>• MLD Groups: 8,192</li> <li>• IPv4 Multicast Routes: 8,192</li> <li>• IPv6 Multicast Routes: 8,192</li> <li>• Frequency: 50-60Hz</li> <li>• AC Voltage: 100V-240V</li> <li>• Power supplies: Two (2) Field-replaceable, hot-swappable, and up to 2 power supplies.</li> <li>• Fans: <ul style="list-style-type: none"> <li>• Two (2) tray slot with one (1) fan try installed</li> <li>• Fan trays are field replaceable and hot-swappable</li> </ul> </li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>• Stackable Layer 3 switches</li> <li>• 880 Gbps system switching capacity, 660 MPPS of system throughput and up to 200 Gbps stacking bandwidth</li> <li>• Intelligent monitoring, visibility, and remediation</li> </ul>
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	<ul style="list-style-type: none"> <li>• Centralized configuration with validation for consistency and compliance</li> <li>• Time savings via simultaneous viewing and editing of multiple configurations</li> <li>• Customized validation tests for corporate compliance and network change analysis</li> <li>• Automated large-scale configuration deployment without programming</li> <li>• Support for server applications such as load balancer</li> <li>• Supports multiple user authentication methods.</li> <li>• Control Plane Policing sets rate limit on control protocols to protect CPU overload from DOS attacks</li> <li>• Supports MAC-based client authentication</li> <li>• DHCP protection blocks DHCP packets from unauthorized DHCP servers, preventing denial-of-service attacks</li> </ul> <p>Warranty: (For Switches A and B)</p> <ul style="list-style-type: none"> <li>• Three (3) years support license (Technical Support and New Release Updates)</li> <li>• Three (3) years support 24x7 with 4-hour response time</li> <li>• Provide an SLA of Next Business Day Onsite support during warranty period.</li> </ul> <p><b>III. Firewall, Brand New</b></p> <p>Quantity: One (1) unit</p> <ul style="list-style-type: none"> <li>• Form Factor: 1U rack mount</li> <li>• Processor: 3.6 GHz</li> <li>• Memory: 16 GB DDR4</li> <li>• Storage: 2*240 GB SSD (RAID-1)</li> <li>• Ethernet Port: 8 GbE copper (incl. 2 bypass pairs) 2 10 GbE SFP+*</li> <li>• LAN Module slot: 8</li> <li>• USB ports: 2 x USB 3.0 (front), 1 x Micro USB (front), 1 x USB 3.0 (rear)</li> <li>• COM ports: 1 x COM (RJ45) (front)</li> <li>• HDMI ports: 1 x HDMI (rear)</li> <li>• Display: Multi function LCD Module</li> <li>• Power Supply: Internal auto-ranging 100-240VAC, 50-60 Hz Hot Swap Redundant PSU optional (internal)</li> <li>• Power Consumption: 31W, 107 BTU/hr (idle)</li> <li>• Power Consumption: 83W, 283 BTU/hr (full load)</li> <li>• Humidity: 10% 90% non condensing</li> <li>• Licensed Users: unrestricted</li> <li>• Firewall Throughput: 65,000 Mbps / 65 Gbps</li> <li>• IPSEC VPN Throughput: 6,100 Mbps / 6.1 Gbps</li> <li>• IPS Throughput: 14,700 Mbps / 14.7 Gbps</li> <li>• Threat Protection: 3,400 Mbps / 3.4 Gbps</li> </ul>
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	<ul style="list-style-type: none"> <li>• Concurrent Connections: 13,640,000</li> <li>• New connections/sec: 187,000</li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>• Purpose-built streamlined user interface and firewall rule management for large rule sets with grouping with at-a-glance rule feature and enforcement indicators</li> <li>• Two-factor authentication (One-time-password) support for administrator access, user portal, IPSec and SSL VPN</li> <li>• Full command-line-interface (CLI) accessible from Graphical User Interface (GUI)</li> <li>• Automated firmware update notification with easy automated update process and roll-back features</li> <li>• Central management support</li> <li>• Backup and restore configurations: locally, via FTP or email; on-demand, daily, weekly or monthly</li> <li>• API for third party integration</li> <li>• Remote access option</li> <li>• Cloud-based license management</li> <li>• Stateful deep packet inspection firewall</li> <li>• User, group, time, or network-based policies</li> <li>• Access time policies per user/group</li> <li>• Enforce policy across zones, networks, or by service type</li> <li>• Flood protection: DoS, DDoS, and port scan blocking</li> <li>• Routing: static, multicast (PIM-SM), and dynamic (RIP, BGP, OSPF)</li> <li>• VLAN DHCP support and tagging</li> <li>• Full configuration of DNS, DHCP, and NTP</li> <li>• Dynamic DNS (DDNS)</li> <li>• IPv6 Ready Logo Program Approval Certification</li> <li>• IPv6 tunneling support including 6in4, 6to4, 4in6, and IPv6 rapid deployment (6rd) through IPSec</li> <li>• Authentication via: Active Directory, eDirectory, RADIUS, LDAP and TACACS+</li> <li>• Server authentication agents for Active Directory SSO, STAS, SATC</li> <li>• Authentication certificates for iOS and Android</li> <li>• Intrusion Prevention System (IPS)</li> <li>• Advanced Threat Protection (Detect and block network traffic attempting to contact command and control servers using multi-layered DNS, AFC, and firewall)</li> <li>• Instantly identifies compromised endpoints including the host, user, process, incident count, and time of compromise</li> <li>• Policies can limit access to network resources or completely isolate compromised systems until they are cleaned up</li> <li>• Fully transparent proxy for anti-malware and web-filtering</li> <li>• Enhanced Advanced Threat Protection</li> <li>• Malware scanning: block all forms of viruses, web malware, trojans and spyware on HTTP/S, FTP and web-based email</li> <li>• Advanced web malware protection with JavaScript emulation</li> <li>• Real-time or batch mode scanning</li> <li>• HTTP and HTTPS scanning on a per user or network policy basis with customizable rules and exceptions</li> </ul>
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	<ul style="list-style-type: none"> <li>• SSL protocol tunnelling detection and enforcement</li> <li>• Certificate validation</li> <li>• Block Potentially Unwanted Applications</li> <li>• Synchronized Application Control to automatically, identify, classify and control all unknown applications on different platforms such as but not limited to Windows, Mac OS, Linux, Android OS and IOS on the network by sharing information between End-Point Security System and the firewall</li> <li>• Application control based on category, characteristics (e.g., bandwidth and productivity consuming), technology (e.g., P2P) and risk level</li> <li>• Enhanced traffic shaping (QoS) options by web category or application to limit or guarantee upload/download or total traffic priority and bitrate individually or shared</li> <li>• Email Protection Features such as but not limited to: <ul style="list-style-type: none"> <li>• Email Protection and Control</li> <li>• Email scanning with SMTP, POP3, and IMAP support</li> <li>• Block spam and malware during the SMTP transaction</li> <li>• Live Protection real-time, in-the-cloud lookups for the latest threat intelligence</li> <li>• Spam quarantine digest and notifications options</li> <li>• Malware and spam quarantines with search and filter options by date, sender, recipient, subject, and reason with option to release and delete messages</li> </ul> </li> <li>• Reverse proxy</li> <li>• URL hardening engine with deep-linking and directory traversal prevention</li> <li>• SQL injection protection</li> <li>• HTTPS (TLS/SSL) encryption offloading</li> <li>• Cookie signing with digital signatures</li> <li>• Reverse authentication (offloading) for form-based and basic authentication for server access</li> <li>• Assists compatibility with various configurations and non-standard deployments</li> <li>• Allow/Block IP ranges</li> <li>• All files containing active code downloaded via the web or coming into the firewall as email attachments such as executables and documents containing executable content (including .exe, .com, and .dll, .doc, .docx, docm, and .rtf and PDF) and archives containing any of the file types listed above (including ZIP, BZIP, GZIP, RAR, TAR, LHA/LZH, 7Z, Microsoft Cabinet) are automatically sent for Threat Intelligence Analysis</li> <li>• Extensive reporting includes a dashboard widget for analyzed files, a detailed list of the files that have been analyzed and the analysis results, and a detailed report outlining the outcome of each machine learning model.</li> <li>• All files containing active code downloaded via the web or coming into the firewall as email attachments such as executables and documents containing executable content (including .exe, .com, and .dll, .doc, .docx, docm, and .rtf and PDF) and archives containing any of the file types listed above (including ZIP, BZIP,</li> </ul>
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	<p>GZIP, RAR, TAR, LHA/LZH, 7Z, Microsoft Cabinet) are automatically sent for Threat Intelligence Analysis</p> <ul style="list-style-type: none"> <li>• Extensive reporting includes a dashboard widget for analyzed files, a detailed list of the files that have been analyzed and the analysis results, and a detailed report outlining the outcome of each machine learning model.</li> </ul> <p>Other Requirement:</p> <ul style="list-style-type: none"> <li>• Must be the same brand and model of the existing Firewall appliance of PS-DBM.</li> </ul> <p>Warranty:</p> <ul style="list-style-type: none"> <li>• Three (3) years support license (Technical Support and New Release Updates)</li> <li>• Three (3) years support 24x7</li> <li>• Provide an SLA of Next Business Day Onsite support during warranty period.</li> </ul> <p><b>IV. Licenses</b></p> <ul style="list-style-type: none"> <li>• Contractor shall provide all required software licenses for the Hyperconverge Infrastructure Solution</li> </ul>
<b>Component 10</b>	<p><b>Active Directory (Installation, Configuration, Testing)</b></p> <p>Quantity: One (1) Lot Users: 500</p> <p>Scope of Work:</p> <ol style="list-style-type: none"> <li>1. Creation, Configuration, Installation and Testing a capacity plan of the Active Directory and Domain Controllers (ADDC).</li> <li>2. Install, configure, activate and update the Windows Server 2019 or above to the designated bare metal or virtual environment.</li> <li>3. Install New AD Forest, AD Domain and Domain Controller based on the PS-DBM requirements.</li> <li>4. Configure Active Directory Users and Computers, Organizational Unit based on the number of offices.</li> <li>5. Add multiple users based on the Organizational Unit assignment.</li> <li>6. Configure and manage DNS Manager Forward Lookup Zones and Reverse Lookup Zones.</li> <li>7. Add a record to Forward Lookup Zone of the existing internal system.</li> <li>8. Add a reverse record to Reverse Lookup Zone of the existing internal system.</li> <li>9. Install and configure group policy that allows administrators to control multiple users and computers.</li> </ol>

	10. Install and Configure DHCP Server including AD authorization, DHCP Scope, and DHCP Lease creation if needed. 11. Install and Configure Windows Server Backup based on the PS-DBM requirements. 12. Conduct training for all the Windows Server included in the project activity.
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## **Training and Technology Transfer**

1. The Contractor must provide knowledge transfer for at least fifteen (15) PS-DBM employees for all the equipment and troubleshooting for the Structured Cabling and Management of Data Center.
0. The Contractor shall conduct training as an essential part of Technology Transfer to prepare and equip PS-DBM in the overall operations and maintenance of its Network Infrastructure and IT Facility.
0. The Contractor shall submit a program detailing all the training activities to be conducted for review, evaluation and approval of PS-DBM. Hands-on training shall form part of the training program.
0. The Contractor shall provide Operation and Training manuals to each participant.
0. The Training shall be conducted and completed prior to the issuance of Certificate of Turnover and Acceptance.
0. Certificate of Training/s shall be given by the contractor to all participants.

## **Proposed Location and Component of PS-DBM Data Center**

The PS-DBM Data Center (DC) will be located in the PS-DBM current server room and the adjacent IT Services Division (ITSD) office area at the PS-DBM Compound, Cristobal St., Paco, Manila. The DC should be elevated four hundred (400) mm higher than the current elevation of the ITSD office area. Concrete Hollow Blocks (CHB) wall shall be installed to enclose the existing door of the server room, demolish the existing wall between the IT office space area and the server room to accommodate expansion to be used for the data center. Some of the existing equipment for the PS-DBM operations as well as the Local Area Network active components will be relocated to the Data Center. This will ensure better network equipment performance, maintenance, and security of sensitive components.

The DC and the ITSD office area will be watched with Door Access System to monitor the ingress and egress of personnel accessing it.



The DC will have ICT industry standards Precision Air-Conditioning Unit (PACU) and Environmental monitoring with GSM support that will send out text messages (SMS) once a change in temperature or any alert status is triggered. Fire Detection and Suppression will protect the investments with equipment-friendly gasses that are also not harmful to the environment.

The existing electric generator of the PS-DBM Main Building will serve as a failover source to ensure the continued service of the Data Center.

All PS-DBM Local Area Network active components shall be transferred to the DC. Migration of the current PS DBM Windows Servers to the virtual environment shall be done, including the configuration of the Domain Controller, Active Directory, Windows Update Services, File and Printer Sharing Services.

#### **D. SCOPE OF WORK**

Bidders shall comply with the following:

- D.1. Bidders shall be allowed to visit the actual site for the preparation of the plans prior to the submission of their proposal. Bidders shall submit an architectural and electrical layout/design based on user requirements together with their Technical Bid Proposal.
- D.2. Supply, delivery and installation of complete site preparation labor and materials including other peripherals needed to complete the site without additional cost to the procuring entity. Bidders shall submit a complete Bill of Materials for the Site Preparation Component.
- D.3. Supply, delivery and installation of complete input and output cables including rough-ins, hangers, support and other peripherals that may be needed to complete the system without additional cost to the procuring entity.
- D.4. Shall provide supply, delivery and installation of step-up transformers.
- D.5. Supply, delivery and installation of complete electromechanical, tap-water and drain line including rough-ins, hangers, support and other peripherals that may be needed to complete the system without additional cost to the procuring entity.
- D.6. Supply, delivery and installation of a complete fire suppression system including hangers, support and other peripherals that may be needed to complete the system without additional cost to the procuring entity.
- D.7. Supply, delivery and installation of complete security door access input and output cables including rough-ins, hangers, supports and other peripherals that may be needed to complete the system without additional cost to the procuring entity. Registration of personnel to the door access system shall be scheduled to avoid disruption of work.\_
- D.8. Supply, delivery, installation and configuration of Server, Storage, and Services to include migration of current services:



- .Startup and Installation (Server and Storage)
  - i.Hyper V Configuration
  - ii.Domain Controller Configuration
  - iii.Windows Server Update Configuration
  - iv.Migration of all existing physical servers to virtualized environment
  - v.5-Day Administrator's Training and knowledge transfer for at least Ten (10) PS-DBM ITSD personnel.

D.9. Transfer of existing network components from current location to new Data Center.

D.10. Testing of each system shall be done accordingly and will be certified as completed after performing and passing the Functionality Test and the User Acceptance Test.

D.11. The Contractor shall provide a complete documentation, one (1) soft copy and two (2) printed copies, for every deliverable and at every end of each development stage and milestone which must be submitted to the PS-DBM for approval. PS-DBM shall own any and all documents and shall reserve the right to reproduce at no additional cost.

The documentation must be written in English with concise and high-quality presentation to include but not limited to the following:

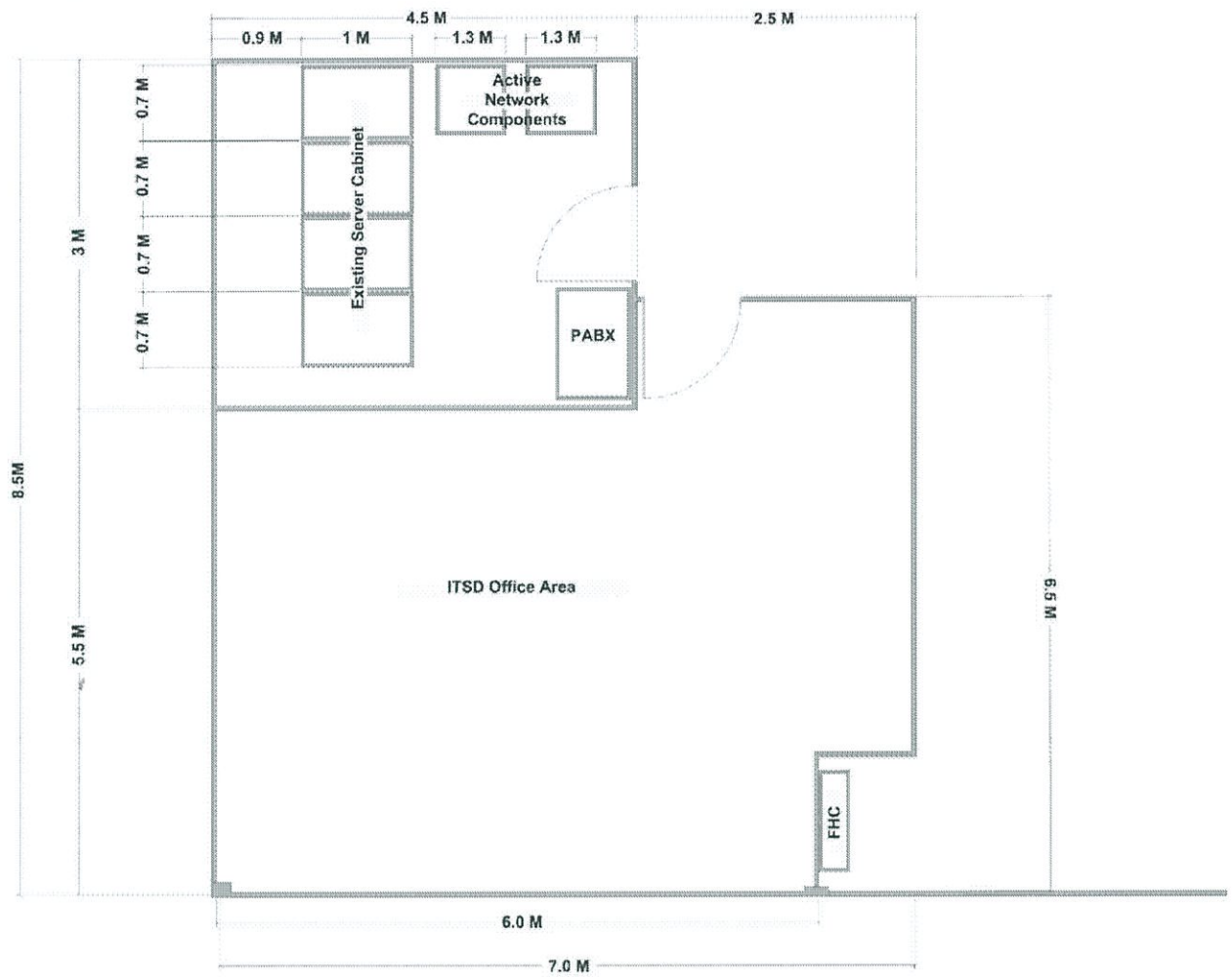
.Technical Manuals

- a. As built Document
- a. Infrastructure Diagrams and Topology
- b. Troubleshooting and Installation Guides
- c. Single Line Diagram
- d. System/Operation Manual

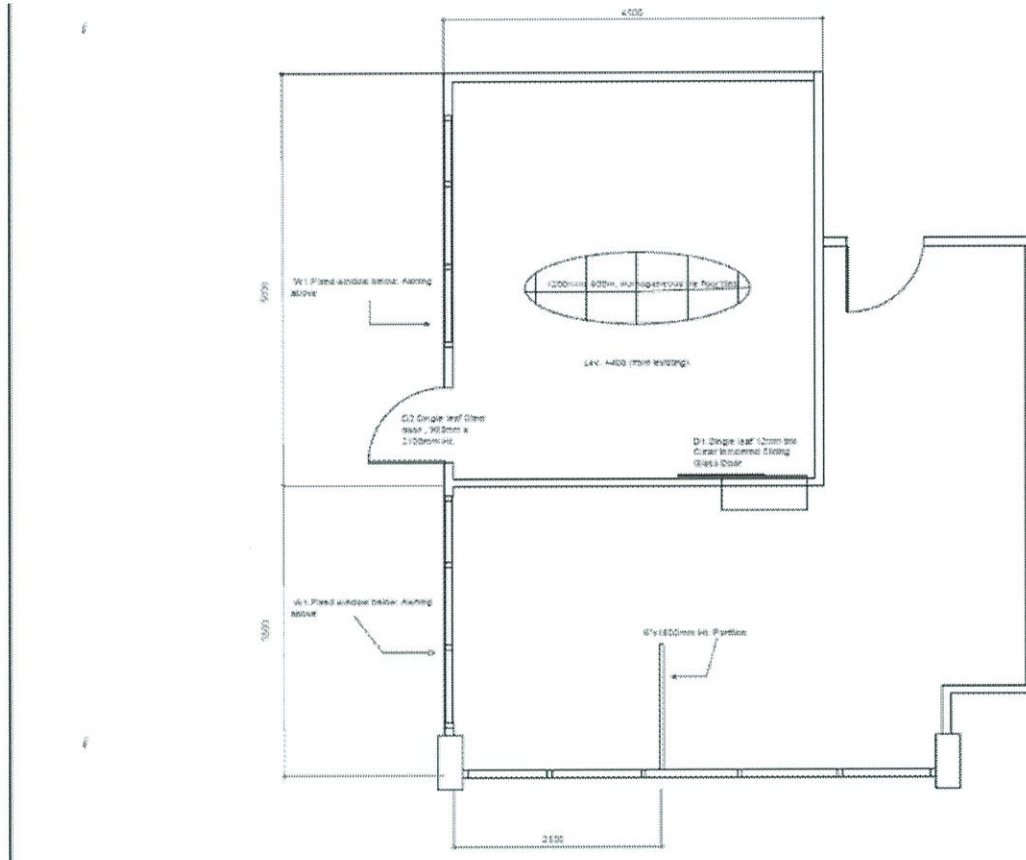
ii.Operations and Maintenance Manuals

D.12. The Contractor shall follow the proposed layout below based on the approved location of the Data Center and the current structural design of the PS-DBM building.

## i. CURRENT SERVER ROOM LAYOUT

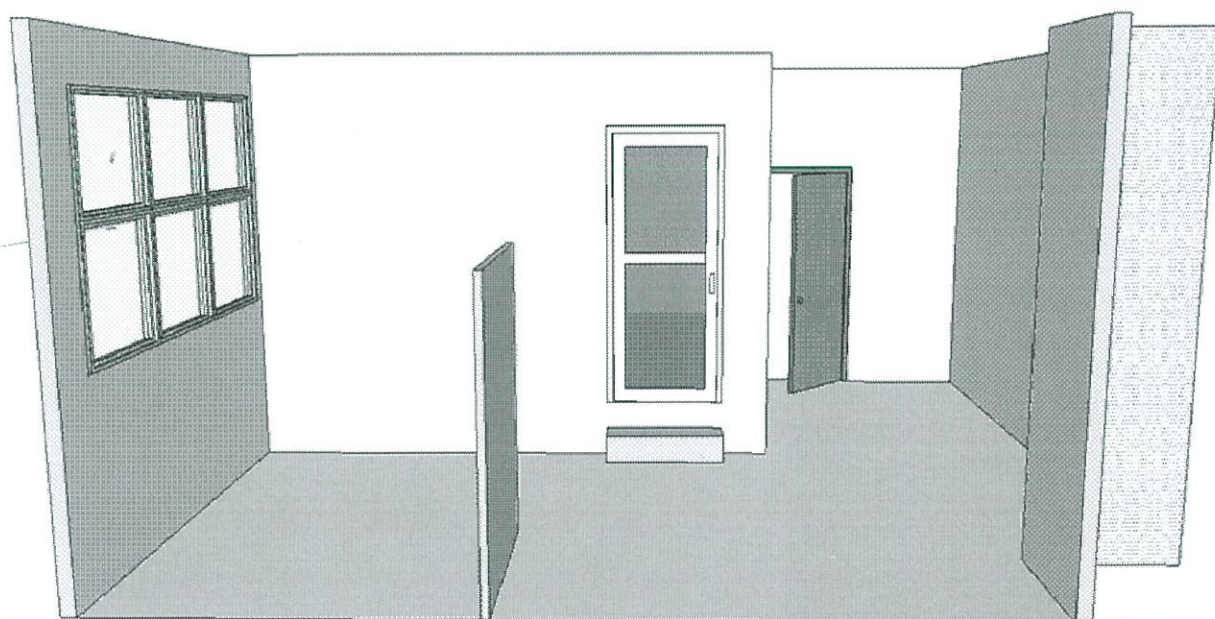
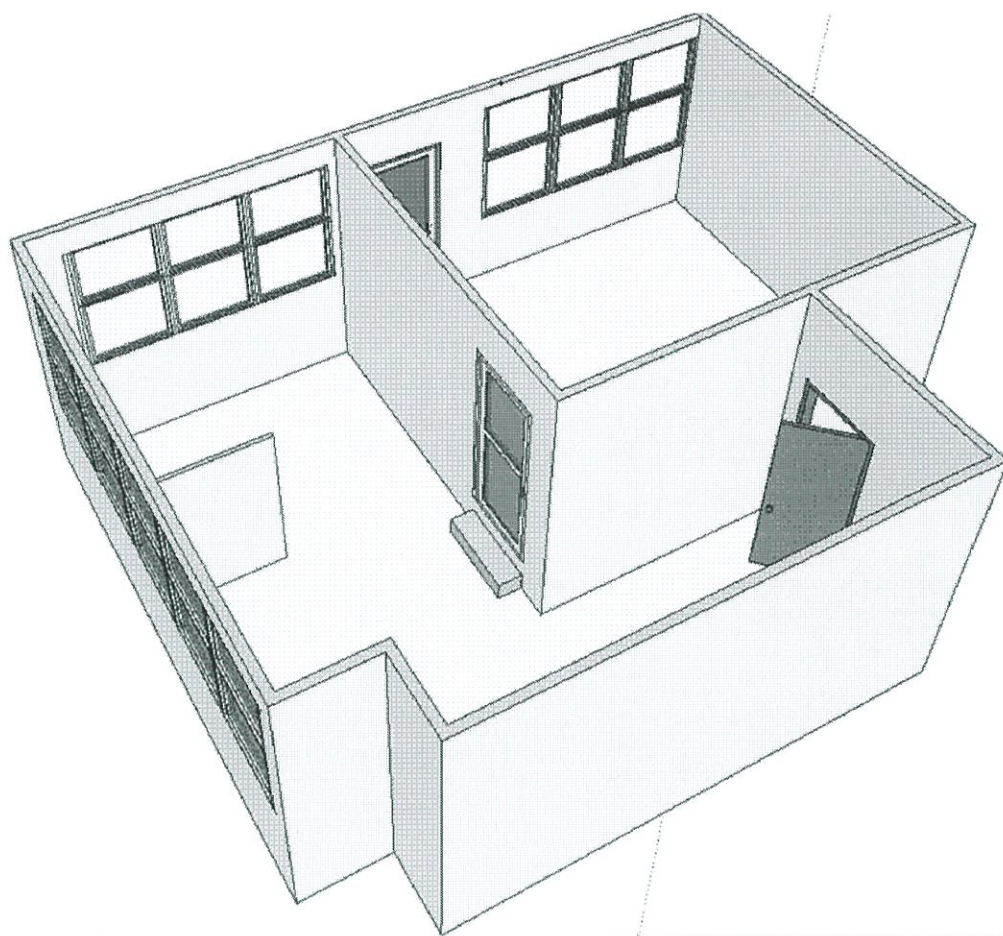


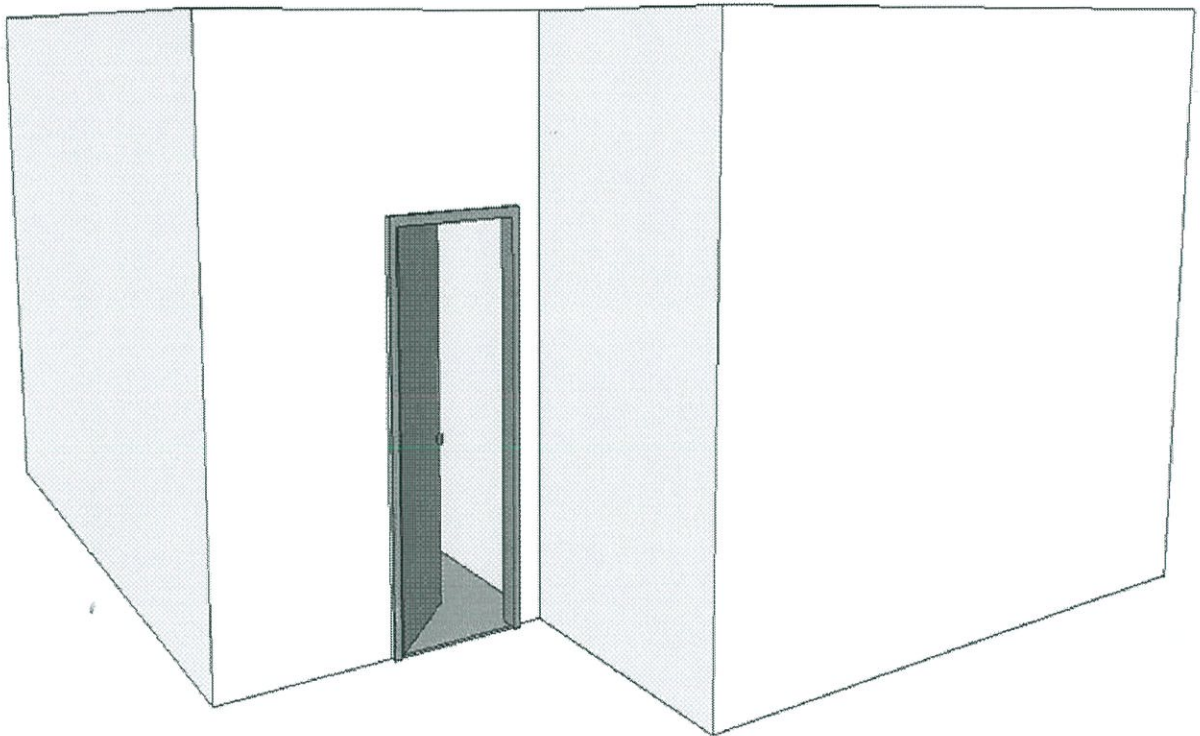
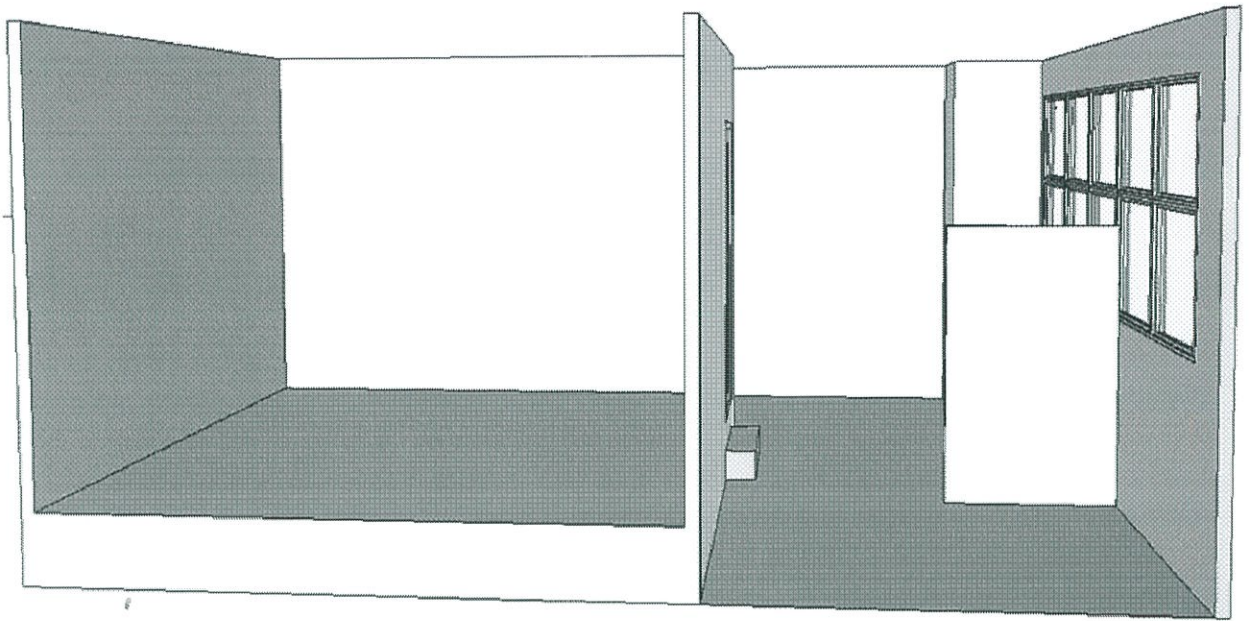
## ii. PROPOSED DATA CENTER LAYOUT



*Handwritten signature*









### iii. BILL OF MATERIALS

ITEM/DESCRIPTION	UOM	QTY.
<b>EMBANKMENT</b>		
Well-graded Sand/Soil	cu.m	5.625
<b>CONCRETE SLAB</b>		
Cement	bags	33
Sand	cu.m	2
Gravel-3/4"	cu.m	3.5
Reinforcing deformed steel bar-10 mm	pcs.	65
G.I WIRE # 16	Kg.	3.67
<b>MASONRY</b>		
CHB -4"	pcs.	271
Cement	bags	12
Sand	cu.m	1
Reinforcing deformed steel bar-10mmx6m	pcs.	14
G.I WIRE # 16	Kg.	0.43
<b>PLASTER MORTAR</b>		
Cement	bags	11



Sand	cu.m	1
<b>DOORS &amp; WINDOWS</b>		
D1.Single,leaf 12mm thk Clear tempered Sliding Glass Doors 900mm x 2000mm Ht.	Set	1
D2.Single leaf Steel door , 900mm x 2100mm Ht.	Set	1
W1. Fixed window below, Awning above,6mm THK. Reflective clear glass on powder coated aluminum frame -3000mmx1500mm Ht.	Set	2
<b>FLOOR TILES</b>		
a. 1200mmx 600m, homogeneous tile	pc.	32
b. Adhesive	kg.	2.25
c. Grout	kg.	1
<b>PAINTING</b>		
a.Neutralizer	gal.	3
b.Flat latex	gal.	3
c.Patching compound	kg.	2
d.Baby roller	pc.	2
d.Brush	pc.	2

## E. BIDDER'S ELIGIBILITY REQUIREMENT

E.1. The contractor must have at least one (1) employed electronics/electrical engineer fully certified by the vendor on the similar UPS product being offered with a

minimum two (2) years' experience in the UPS-Electrical System installation, configuration and troubleshooting. Certified Engineers should have completed the training course for the equivalent or similar UPS Certification Program from the Manufacturer. Copy of the Certification shall be provided. Certified engineers must be employed by the bidder for at least three (3) years.

- E.2. Bidder must have been employed and assigned as an authorized safety officer to oversee the implementation of the project. Copy of certification of safety training shall be attached in the bid documents. Training bodies shall be accredited by the Department of Labor and Employment.
- E.3. Bidder must be Certified Sales Partner/Reseller of the product offered to ensure its technical expertise on the offered solution.
- E.4. Bidder must have at least one (1) certified Data Center Professional and has been employed by the bidder for at least three (3) years.
- E.5. Bidders shall have at least five (5) years' experience in undertaking similar Data Center projects. Valid proof of documents must be provided along with the bid submission.
- E.6. Bidders should provide certificates that have 24x7 technical support capabilities. Bidders should identify the person responsible for restoring service due to outages and provide his contact details i.e. contact person, position, contact numbers and email address.
- E.7. Bidders should provide a list of personnel who will form part of the implementation team in accordance with the requirements of PS-DBM for facilitation of Work Passes.

## **F. WORK SCHEDULE**

Regular work can be performed from Mondays to Fridays starting 8:00 a.m. up to 9 p.m. including Saturdays, Sundays, and holidays. Construction activities that create disruption to the employees and business operations shall be carried out after office hours.

## **G. WARRANTY AND MAINTENANCE**

- G.1. The Bidder shall provide a Preventive Maintenance Program during the warranty period for all the delivered equipment and systems.
- G.2. The Bidder shall provide quarterly preventive maintenance on the UPS, PACU, Fire Suppression, Server Rack, Power Distribution Units, and Door Access System during the warranty period.
- G.3. The Bidder shall provide not less than 3 hours of response time after receiving calls from clients during the warranty period.



## H. SCHEDULE OF DELIVERABLES

The delivery of the items for the Data Center shall be within three hundred (300) calendar days upon issuance of the corresponding Notice to Proceed (NTP). The commissioning and initial testing shall be conducted within 2-3 calendar days after each component is completed and witnessed by representative/s from the IT Services Division (ITSD).

After completion of the Data Center, the representative/s from the ITSD shall conduct Functionality Tests to ensure all project's specifications and requirements are met.

## I. INSTITUTIONAL REQUIREMENTS

I.1. The winning bidder shall coordinate with concerned personnel of the PS-DBM for the conduct of any activity related to the fulfillment of their obligations.

I.2. The bidder shall warrant that it shall conform strictly to the terms and conditions of this Terms of Reference.

I.3. The bidder must submit a copy of the manufacturer's product brochures, specifications sheet, manuals etc., as appropriate of all the required equipment and systems. Any of this evidence should be downloadable from the product or manufacturer's website or otherwise verifiable by any means reasonable and acceptable to the Bids and Awards Committee.

## J. PAYMENT MILESTONE

Deliverables	Documentations	Percentage of Payment
Inception Report/Project Plan	Documents: <ul style="list-style-type: none"><li>Inception Report and/or Project Plan</li></ul>	5%
Completion of Component 1: Site Preparation (Civil, Mechanical, Electrical Works and Structured Cabling)	Documentation Report related to Data Center Construction (i.e. As Built Plan, Architectural Drawing/Plan, Work Order, etc.)	25%
Completion of Component 2 to Component 8	Documentation Report such as but not limited to the following: <ul style="list-style-type: none"><li>i. Technical Manuals</li><li>a. As Built Document</li></ul>	25%
Completion of Component 9 and Component 10		25%



	a. Infrastructure Diagrams and Topology b. Troubleshooting and Installation Guides c. Single Line Diagram d. System/Operation Manual  ii. Operations and Maintenance Manuals  iii. Migration Plan	
Full Functionality Test	Documents: <ul style="list-style-type: none"> <li>• Functionality Testing Report</li> <li>• User Acceptance Test (UAT) Report</li> </ul>	15%
Training and Final Acceptance	Documents: <ul style="list-style-type: none"> <li>• Training Program/Knowledge Transfer Plan</li> <li>• Operation and Training Manuals</li> <li>• Certificate of Training</li> <li>• Certificate of Turnover and Acceptance</li> </ul>	5%

#### **K. PENALTY CLAUSE**

In case of failure to complete the project within the time specified, a penalty of one-tenth of one percent (1/10 of 1%) of the total project cost for every day of delay shall be imposed. It is construed that the Data Center Project shall be made and completed within three hundred (300) calendar days from the date of the issuance of the Notice to Proceed.

#### **L. APPROVED BUDGET OF THE CONTRACT**

PS-DBM intends to apply the sum of Fifty Seven Million Three Hundred Thirty-Six Thousand One Hundred Ninety-Seven Pesos and Sixty-Five Centavos (Php 57,336,197.65), as the Approved Budget for the Contract (ABC) of the project inclusive of VAT and other duties and taxes.

Prepared by:

**KARL MICHAEL ESPEJO**

Information Technology Officer I  
IT Services Division

Reviewed by:

**REINA F. BAILON**

Information Technology Officer II  
IT Services Division

Approved by:

**ROSA MARIA M. CLEMENTE**

OIC - Director IV  
PhilGEPS Group



LOT NO. 2 : Supply, Delivery, Installation, Configuration, Commissioning and Testing Data Center for Philippine Government Electronic Procurement System (PhilGEPS)

QUANTITY : 1 lot

APPROVED BUDGET FOR THE CONTRACT : ₱ 25,620,000.04

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
<b>Supply, Delivery, Installation, Configuration, Commissioning and Testing Data Center for Philippine Government Electronic Procurement System (PhilGEPS)</b>  <i>- Conforms to the Terms and Conditions on the attached Terms of Reference</i>	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

<hr/>	<hr/>	<hr/>
Name of Company	Signature Over Printed Name of Authorized Representative	Date



**TERMS OF REFERENCE**  
**FOR THE PROCUREMENT OF PHILGEPS DATACENTER**

**I. BACKGROUND/RATIONALE**

The Procurement Service - Department of Budget and Management (PS-DBM) PhilGEPS Group seeks to acquire and establish a Data Center in the 5th Floor, Automobile Association of the Philippines (AAP) Tower, New Manila, where the PhilGEPS Group is situated.

Under the RA 9184, Article 3, Section 8 quote "To promote transparency and efficiency, information and communications technology shall be utilized in the conduct of procurement procedures. Accordingly, there shall be a single portal that shall serve as the primary source of information on all government procurement. The G-EPS shall serve as the primary and definitive source of information on government procurement".

Currently, the PhilGEPS Group maintains two (2) systems which are the PhilGEPS (1.5) and Modernized PhilGEPS (mPhilGEPS). The said system is currently hosted in the existing Cloud Service Platform and implemented layers of security to prevent cyber-attack, and protects its highly valuable government procurement databases.

The PhilGEPS contains vital databases which stored published bid notices, awarded contracts, uploaded bid documents, submitted annual procurement plan (APP), and other related government procurement datasets.

The Data Center is needed to improve resiliency and can be used for future development, staging, and training of the PhilGEPS.

The proposed Data Center shall also serve as the consolidator of datasets from the different deployed application sites of PhilGEPS in the Cloud Computing Servers.

**II. OBJECTIVE**

To build a Data Center in the AAP tower, 5th floor, as where the PhilGEPS office is situated;

To deploy hyper converged infrastructure for the server;

To deploy Storage Archiving System;

To deploy fire suppression system;

To deploy data cabinet and racking system;

To deploy HVAC or air-conditioning systems;

To provide civil works, electrical, piping, and cabling for the Data Center;

To conduct training and knowledge transfer for the designated personnel from the e-Government Procurement Development and Operations Division (eGPDOD); and,

To maintain critical active components of the Data Center for 3 years.

### **III. SCOPE OF WORK**

#### **Data Center Design and Glass works construction**

- General Data Center Construction to fit a glass wall and double walling to reconstructed room function specifically for the ICT Data Center.

#### **Clean Agent and Fire suppression**

- A full installation of clean agent, detector and alarm system for fire contingent in case of any electrical problems and wire fault.

#### **Electrical works and provisioning**

- Single phase wiring works from main panel board to data center room

#### **Data Cabinet and Racking Systems**

- Installation of 2-unit Data Cabinet and all its components including power distribution unit, this will support power access for servers, storage and other devices

#### **Door Access with Facial Recognition**

- Supply, Installation of Radio Frequency (RF) access control capable of facial recognition.
- Supply and Installation of all accessory components, emergency break glass, exit button and key switch

#### **Software Define Wide Area Network (SDWAN)**

- Installation of the base gateway router which can effectively minimize packet loss and WAN optimization
- Can be installed to a single WAN ISP or up to 2 WAN ISP

#### **Network Gateway Security – Next Generation Firewall**

- The next generation firewall will serve as the network protection, network policy creation, network access control and monitoring

#### **Platform On-site server implementation**

- Provision of server implementation, installation and integration to the existing network.
- This shall also cover server and storage solution, maintenance agreement and training.

#### **Archiving Storage Systems**

- Provision of storage system with all necessary commissioning, and support from the device, and training to the designated personnel under the eGPDOD.

#### **Virtual Private Network (VPN) – Branch to branch connection**

- Supply, Installation and configuration of connectivity from PS-DBM Paco, Manila to PhilGEPS Group Office at AAP Tower.
- Shall also cover licensing from the provided next generation firewall



**Server and components licensing and deployment**

- Licensing components provided by the winning bidder with all necessary commissioning and support from the device, and training required by the eGPDOD.

**Server Endpoint Protection licenses**

- Licensing required for the server protection that will act as the device protection from malware, ransomware and endpoint threats.

**HVAC / Aircon Supply and Installation**

- Supply Installation and rectification of 2 units Air Conditioning (AC) Unit that will act as cooling system for the Data Center Infrastructure connectivity cable works.
- Refers to the data center cabling works, connectivity and all necessary components for connecting the new data cabinet to the existing open bay cabinet.

**Implementation, Commissioning and Turn-over / Knowledge Transfer**

- Full commissioning, full documentation, and turn-over of the datacenter to the eGP Division.
- The winning bidder covers technical training on managing Servers and Archiving Storage System.

The winning bidder shall supply, deliver and install all active components and commission the Data Center based on the indicated technical specifications in the section IV;

The winning bidder shall provide all necessary software licenses enlisted in the technical specification in the section IV;

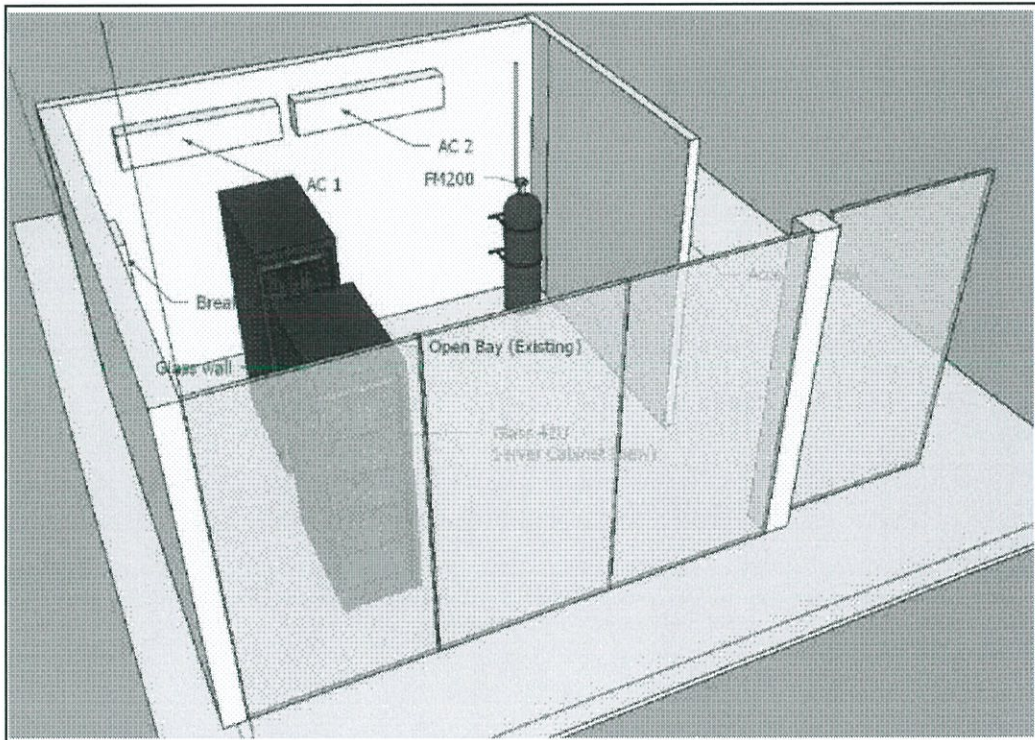
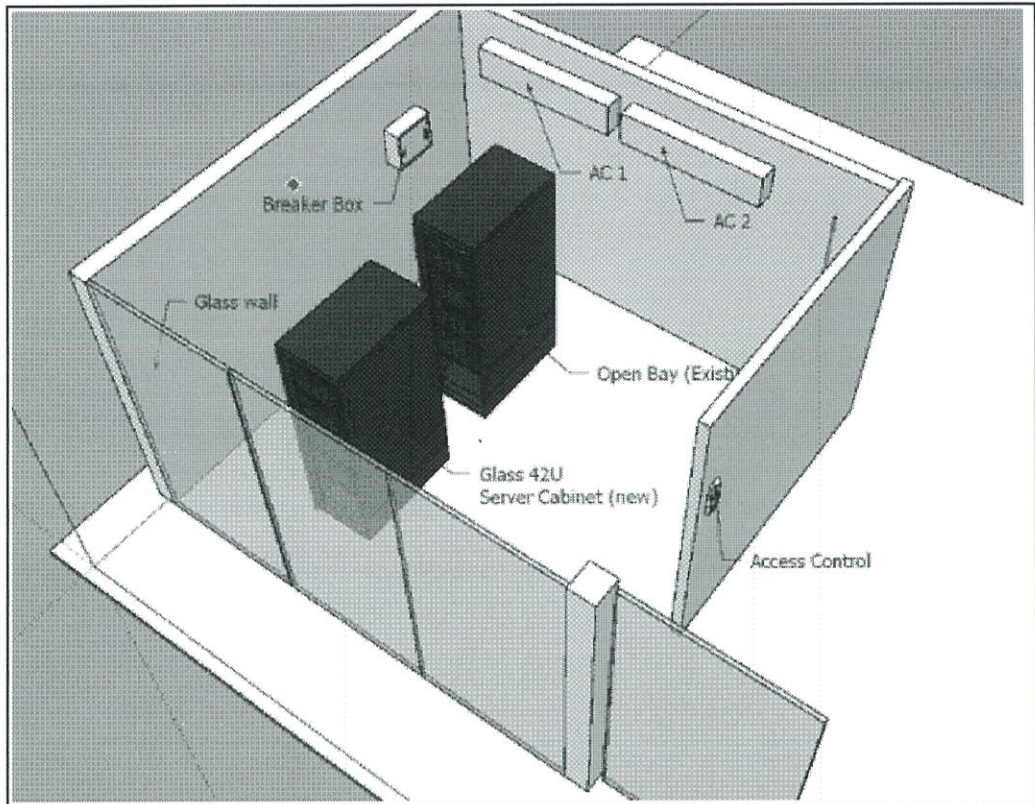
The winning bidder shall abide to either standard or best implementation and service in terms of civil works, electrical and cabling according to the requirements from the national building code of the Philippines or building guidelines in the AAP Tower;

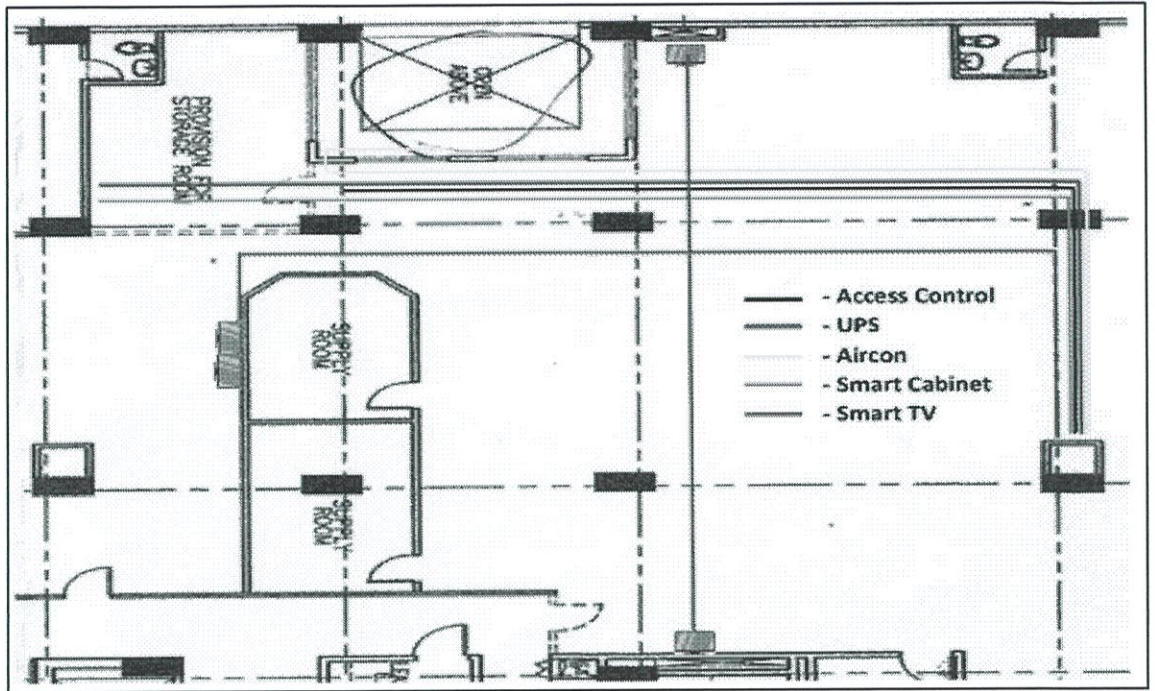
Maintenance agreement is indicated in the section IV for all active components in the Data Center; and

The winning bidder shall supply, deliver, and implement Automatic Transfer Switch (ATS) to be configured in the existing Generator Set provided by the AAP Towers.

- 
- Prospective Data Center design and floor plan implementation in the AAP Tower, 5th floor:









#### IV. TECHNICAL SPECIFICATION:

##### DATA CENTER'S ACTIVE COMPONENTS

SOFTWARE DEFINE WIDE AREA NETWORK (SDWAN)		
<b>WAN bandwidth capacity (all features + encryption) :</b> 2 to 1000 Mbps <b>Simultaneous connections :</b> 256,000 Connections <b>Network :</b> WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included <b>RAM :</b> ECC memory <b>Mean time between failures (MTBF):</b> 162,171 hours (18.5 years)	1	Lot
<b>Security:</b> 128-bit AES IPsec (256-bit AES)		
<b>LAN/WAN ethernet:</b> 4 x 10/100/1000 LAN/WAN (2 LAN/ 2 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q <b>Connectivity Management:</b> 2 x 10/100/1000; console port		
<b>WAN Optimization:</b> 250 Mbps <b>Inline route Mode:</b> In-line as next-hop gateway between L2 switch and WAN router or broadband internet modem for zero touch provisioning, with WAN hardening or zone-based stateful firewall <b>Out-of-path (router) mode:</b> Attached to WAN router out-of-path with PBR redirection, WCCP, and VRRP		
<b>Power:</b> 100-240VAC / 50-60Hz / 34W / 116 BTU (Single adapter)		
<b>EMC Regulatory:</b> FCC Part 15 Class B, EN 55022 Class B, VCCI Class B EN 61000-3-2/3-3, EN 55024 or equivalent <b>Safety Regulatory:</b> UL/cUL/60950, EN 60950 or equivalent		
<b>GUI:</b> SNMPv2c, SNMPv3 <b>SNMP:</b> SSH and HTTPS <b>Secure access:</b> Syslog with configurable levels. Email alerts <b>Logging:</b> Local database, RADIUS, TACACS+ <b>Authentication:</b> Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported.	1	License
1 YR Enterprise Tier Software Subscription License for DSWAN Solution includes 24x7 support		
Installation and commissioning		



NETWORK GATEWAY SECURITY - NEXT GENERATION FIREWALL	1	Lot
<p> <b>Form Factor :</b> 1U Rackmount  <b>Processor :</b> x86 AMD CPU  <b>CPU Memory:</b> 8 GB (2400) DDR4  <b>Xstream Flow Processor (NPU):</b> Marvell NPU  <b>Memory :</b> 4 GB DDR4  <b>Storage :</b> 1x min. 120 GB SATA-III  <b>Ports :</b> 8x GE Copper (w/ 1pair fixed bypass ports), 2x SFP GE Fiber  <b>I/O Ports :</b> 1x COM RJ45, 2x USB 3.0 / 1x USB 2.0 / 1x RJ45 MGMT / , 1x Micro USB (cable included) / w/ 1x expansion bay  <b>Display :</b> Multi-function LCD display  <b>Power Supply :</b> Internal auto-ranging DC 100-240VAC, 3-6A@50-60 Hz w/ (External Redundant PSU Option)  <b>Product Certifications (Safety, EMC) :</b> CB, CE, UL, FCC, ISED, VCCI, CCC*, KC, BSMI*, RCM, NOM, Anatel*  <b>Firewall Throughput :</b> 30,000 Mbps  <b>IPS throughput :</b> 5,800 Mbps  <b>Threat Protection throughput :</b> 1,250 Mbps  <b>Concurrent connections :</b> 6,500,000  <b>New connections/sec :</b> 134,700  <b>Maximum licensed users :</b> unrestricted </p>		

<p><b>GENERAL MANAGEMENT:</b></p> <p>Purpose-built, streamlined user interface and firewall rule management for large rule sets with grouping with at-a-glance rule feature and enforcement indicators</p> <p>Two-factor authentication (One-time-password) support for administrator access, user portal, IPSec and SSL VPN</p> <p>Advanced trouble-shooting tools in GUI (e.g. Packet Capture)</p> <p>High Availability (HA) support clustering two devices in active-active or active-passive mode with plug-and-play Quick HA setup</p> <p>Full command-line-interface (CLI) accessible from GUI</p> <p>Automated firmware update notification with easy automated update process and roll-back features</p> <p>Reusable system object definitions for networks, services, hosts, time periods, users and groups, clients and servers</p> <p>Configuration change tracking</p> <p>Flexible device access control for services by zones</p> <p>Email or SNMP trap notification options</p> <p>SNMPv3 and Netflow support</p> <p>Central management support via Cloud-based Unified Console</p> <p>Automatic Email Notifications for any important event</p> <p>Cloud-based license management via Licensing Portal</p> <p>Real-Time Flow Monitoring</p> <p>Traffic light style indicators</p> <p>Quick Drill-down Interaction with Any Control Center Widget</p> <p>SNMP with a Custom MIB and support for IPSec VPN Tunnels</p> <p>Support for cloud formation templates</p> <p>Supports a broad range of virtualization platforms and can also be deployed as a software appliance</p> <p>on your own x86 Intel hardware</p> <p>Certified and optimized for Azure and is available in the Microsoft Azure Marketplace. Can take a free test drive or the flexible PAYG or BYOL licensing options.</p> <p>Stronger password hash algorithm (requires a password change)</p> <p>Central Firewall Management</p> <p>Group policy management allows objects, settings, and policies to be modified once and automatically synchronized to all firewalls in the group</p> <p>Task Manager provides a full historical audit trail and status monitoring of group policy changes</p> <p>Backup firmware management which stores the last five configuration backup files for each firewall with one that can be pinned for permanent storage and easy access</p> <p>Firmware updates which offer one-click firmware updates to be applied to any device</p> <p>Zero-touch deployment enables the initial configuration to be performed in Cloud-based management</p> <p>Firmware update scheduling</p> <p>Multi-firewall reporting across firewall group</p>		
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<p><b>Firewall, Networking and Routing:</b></p> <p>Stateful deep packet inspection firewall</p> <p>Packet processing architecture that provides extreme levels of visibility, protection, and performance through stream-based packet processing</p> <p>TLS inspection with high performance, support for TLS 1.3 with no downgrading, port</p> <p>DPI Engine that provides stream scanning protection for IPS, AV, Web, App Control, and TLS</p> <p>Inspection in a single high-performance engine</p> <p>Accelerates SaaS, SD-WAN, and cloud traffic such as VoIP, video, and other trusted applications via FastPath through the new Xstream Flow Processors.</p> <p>Network Flow FastPath delivers policy-driven and intelligent acceleration of trusted traffic automatically</p> <p>Improved FastPath support for active-passive pairs</p> <p>Supports all modern cypher suites</p> <p>Enforce policy across zones, networks, or by service type</p> <p>Zone-based firewall</p> <p>Default zones for LAN, WAN, DMZ, LOCAL, VPN and WiFi</p> <p>Full VLAN support</p> <p>Zone and VLAN isolation and zone-based policy support.</p> <p>Micro-segmentation and auto-isolation via Synchronized Security</p> <p>Custom zones on LAN or DMZ</p> <p>Customizable NAT policies with IP masquerading and full object support to redirect or forward multiple services in a single rule with a convenient NAT rule wizard to quickly and easily create complex NAT rules in just a few clicks</p> <p>Flood protection: DoS, DDoS and portscan blocking</p> <p>Country blocking by geo-IP</p> <p>Advanced Routing: static, multicast (PIM-SM), and dynamic (RIP, BGP, OSPF) with full 802.1Q VLAN support</p> <p>Protocol independent multicast routing with IGMP snooping</p> <p>Bridging with STP support and ARP broadcast forwarding</p> <p>VLAN DHCP support and tagging</p> <p>VLAN bridge support</p> <p>SD-WAN link balancing: multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing, and granular multipath rules</p> <p>Wireless WAN support (n/a in virtual deployments)</p> <p>802.3ad interface link aggregation</p> <p>Full configuration of DNS, DHCP and NTP</p> <p>Dynamic DNS (DDNS)</p> <p>IPv6 Ready Logo Program Approval Certification</p> <p>IPv6 tunnelling support including 6in4, 6to4, 4in6, and IPv6 rapid deployment (6rd) through IPSec</p>		
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<p>Support for multiple WAN link options including VDSL, DSL, cable, and 3G/4G/LTE cellular with essential monitoring, balancing, failover and fail-back</p> <p>Application path selection and routing, which is used to ensure quality and minimize latency for mission-critical applications such as VoIP</p> <p>Synchronized SD-WAN, a Synchronized Security feature which leverages the added clarity and reliability of application identification that comes with the sharing of Synchronized Application Control information between managed endpoints and Firewall</p> <p>Synchronized SD-WAN application routing over preferred links via firewall rules or policy-based routing</p> <p>Affordable, flexible, and zero-touch or low-touch deployment</p> <p>Robust VPN support including IPSec and SSL VPN</p> <p>Centralized VPN orchestration</p> <p>Unique RED Layer 2 tunnel with routing</p> <p>Integration with Azure Virtual WAN for a complete SD-WAN overlay network</p>		
<p><b>Base Traffic Shaping &amp; Quotas:</b></p> <p>Flexible network or user based traffic shaping (QoS) (enhanced Web and App traffic shaping options included with the Web Protection subscription)</p> <p>Set user-based traffic quotas on upload/download or total traffic and cyclical or non-cyclical</p> <p>DSCP marking</p>		
<p><b>Wireless:</b></p> <p>Simple plug-and-play deployment of access points (APs) — automatically appear on the firewall control center</p> <p>High performance with the latest 802.11ac, Wave 2 wireless standard, and powerful radios</p> <p>Central monitoring and management of APs and wireless clients through the built-in wireless controller</p> <p>Bridge APs to LAN, VLAN, or a separate zone with client isolation options</p> <p>Multiple SSID support per radio including hidden SSIDs</p> <p>Support for the latest security and encryption standards including WPA2 Personal and Enterprise</p> <p>Channel width selection option</p> <p>Support for IEEE 802.1X (RADIUS authentication) with primary and secondary server support</p> <p>Support for 802.11r (fast transition)</p> <p>Hotspot support for (custom) vouchers, password of the day, or T&amp;C acceptance</p> <p>Wireless guest Internet access with walled garden options</p> <p>Time-based wireless network access</p> <p>Wireless repeating and bridging meshed network mode with supported Aps</p> <p>Automatic channel selection background optimization</p> <p>Support for HTTPS login</p> <p>Rogue AP detection (available only with XG Firewall devices with integrated Wi-Fi)</p>		
<p><b>ZTNA:</b></p> <p>Zero Trust Network Access (ZTNA) ( offer a secure and simple way for users to securely connect to important applications and data)</p> <p>Securely connect users to applications</p> <p>Cloud and on-premises application support</p> <p>Device health integrates with Synchronized Security</p>		

<b>Authentication:</b> Synchronized User ID utilizes Synchronized Security to share currently logged in Active Directory user ID between Sophos endpoints and the firewall without an agent on the AD server or client Authentication via: Active Directory, eDirectory, RADIUS, LDAP and TACACS+ Server authentication agents for Active Directory SSO, STAS, SATC Authentication services for IPSec, SSL, L2TP, PPTP API-based authentication Azure AD integration		
<b>Based VPN Option:</b> IPSec and SSL VPN tunnels Wizard-based orchestration Site-to-site VPN: SSL, IPSec, 256-bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key Remote Ethernet Device (RED) site-to-site VPN tunnel (robust and light-weight) L2TP and PPTP Route-based VPN Remote access: SSL, IPSec, iPhone/iPad/ Cisco/Android VPN client support IKEv2 Support SSL client for Windows and configuration download via user portal Enforcement of TLS 1.2 for SSL site-to-site and remote access VPN tunnels		
<b>Connect VPN Client:</b> IPSec and SSL support Easy provisioning and deployment Free (unlimited SSL remote access licenses included at no extra charge) Authentication: Pre-Shared Key (PSK), PKI (X.509), Token and XAUTH Enables Synchronized Security and Security Heartbeat for remote connected users Intelligent split-tunneling for optimum traffic routing NAT-traversal support Client-monitor for graphical overview of connection status Remote access IPSec policy provisioning with Sophos Connect v2.1		
8x5 Basic Technical Support (Office Hours) • Time Coverage: Monday to Friday 8:00am – 5:00pm (Excluding holidays and government declared holidays). • Support via phone, email, chat, web, and remote access. • Support response time: within 48 hours to 72 hours.	1	Lot
Installation and commissioning	1	Lot



<b>Uninterruptible Power Supply (UPS) and power redundancies</b>			
Maintain UPS output at full load for a duration of minimum 15 minutes			
10kVA/10kW(2U) On-Line UPS, extended runtime model without battery pack, incl. ear bracket/ tower stand/ terminal/ battery, Parallel, USB cables Rack Mountable		1	Lot
20KVA External Battery Pack(3U), 1 string of 12V9Ahx20pcs			
19" RAIL KIT For UPS		2	pcs
MINI Simple Network Management Protocol (SNMP) IPv6 CARD (SWAPPABLE)		1	pcs
Warranty: 3 years for the battery and 2 years for the unit		1	Lot
Installation and commissioning		1	Lot

<b>ARCHIVING STORAGE SYSTEM</b>			
6 x 14 Terabyte (TB) SAS 7.2K LFF SC He 512e MV HDD SAS in raid 5 Configuration ( minimum usable of 48TB)			
2U Rack Mount			
Storage with Microsoft Windows Server IoT 2019 -Azure file synchronization, Azure Backup, Shared Block Storage (iSCSI Target Server / Storage Provider)			
10GbE 2-port 530T Adapter			
Supported Protocol: SMB, NFS, iSCSI over Ethernet, FTP/S, HTTP/S			
All models support external expansion using SAN Storage or D3X10, D6020, and D8000 Disk Enclosure product families. A Fibre Channel, SAS, or iSCSI connection must be added to support MSA SAN Storage (note that high-availability clustering is not supported) while a Smart Array controller with external ports must be added to support external Disk Enclosures			
Microsoft Distributed File System Replication (DFS-R)--supports up to 100TB			
Hard Disk Type: Hot-plug SATA or SAS, large form factor (LFF) (3.5")			
3 Years Support		1	Lot
Window Server IoT 2019 Stg Support		1	license
Installation and commissioning		1	Lot



<b>Fire suppression and alarm systems</b>		
90-100040-001 FM200 Cylinder Assembly to be filled With 22lbs of FM200 agent	1	pcs
HFC227ea FM200 Agent	1	pound
Electric Control Head, 24 VDC	1	set
Discharge Hose, Valve Outlet Adapter,	1	pcs
360 deg. Discharge Nozzle	1	pcs
Single Hazard Releasing Panel	1	pcs
Backup battery	1	pcs
Photoelectric Smoke detector	1	pcs
Universal Detector Base	1	pcs
Manual Pull Station	1	pcs
Abort Station	1	pcs
6" Dia Fire Alarm Bell	11	pcs
Horn Strobe	1	pcs
Nameplate "Warning", fm200	1	pcs
<b>Installation and commissioning:</b> Supply and installation of gaseous suppression system for all data center critical partitions. Inclusive are addressable panels for integration with base building centralized fire detection and alarm system, motorized fire dampers, warning signages, abort station and other essential peripherals to complete the system.	1	Lot

Server Endpoint Protection licenses		
Server 1 Year Server Intended Protection Web Security Download Reputation Web Control / Category-based URL Blocking Peripheral Control Application Control Application Whitelisting (Server Lockdown) Deep Learning Malware Detection Anti-Malware File Scanning Live Protection Pre-execution Behavior Analysis (HIPS) Potentially Unwanted Application (PUA) Blocking Intrusion Prevention System Data Loss Prevention Runtime Behavior Analysis (HIPS) Antimalware Scan Interface (AMSI) Malicious Traffic Detection (MTD) Exploit Prevention Active Adversary Mitigations Ransomware File Protection (CryptoGuard) Disk and Boot Record Protection (WipeGuard) Man-in-the-Browser Protection (Safe Browsing) Enhanced Application Lockdown Threat Cases (Root Cause Analysis) Automated Malware Removal Synchronized Security Heartbeat Cloud Workload Protection File Integrity Monitoring	1	lot
Installation and commissioning	1	Lot

Heating, Ventilation, and Air Conditioning (HVAC) / Aircon Supply and Installation		
Provision of equipment for cooling, ventilation and exhaust. Includes all essential piping and insulation works: 1.5 HP, Dual Inverter Compressor, 70% Energy Saving, Fast Cooling, 4 Way Swing, Auto Clean, Wi-Fi -Programmable automatic switching for two (2) Air Conditioning via a programmable logic controller or integrated function using software application Dimension: 837 x 308 x 189 , 720 x 500 x 230 Dual Inverter Android Application capable Cooling Capacity: 3.52 kW 12,000 Btu/h 12,660 kJ/h Cooling Input Power: 1,030 W Cooling Running Current: 5.90 A EER: 3.41 W/W 11.65 (Btu/h)/W 12.29 (kJ/h)/W Power Factor Cooling: 93% Circuit Breaker Capacity: 15 A Moisture Removal: 1.25 l/h 2.64 pts/h Sound pressure level: -/41/35/27/21 dB(A) Air flow rate: 13/10/6.6/4.2 m³/min 459/353/233/148 CFM Outdoor Air flow rate: 28.0 m³/min 989 CFM Sound pressure level: 50 dB(A) Operational Range: 18 ~ 48 °C DB Refrigerant Type: R32 Additional Charge: 15g/m Global Warning Potential: 675 Pre charge: 570g Control: Capillary t-CO <sub>2</sub> eq: 0.385 Compressor Type: Twin Rotary	2	Units
Supply and Installation of Copper Tubing Supply and Installation of insulating materials Miscellaneous Materials & Consumables	1	Lot



<b>Door Access with Facial Recognition</b>	1	lot
Display 2.8 inch Thin-film-transistor (TFT) liquid-crystal display (LCD) Color Screen Face Capacity 1500(1:N) 4000(1:1) Fingerprint Capacity 4000 Card Capacity of 10,000 ID/Mifare or HID card Transaction Capacity 100,000 Transactions Algorithm Version ZKFinger VX10.0 & ZKFace VX7.0 or equivalent to the said Algorithm Version Communication RS485, TCP/IP, USB-host Access Control Interface 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell, Wiegand In/Out Aux. Input 1ea for linkage function Standard Function DST, Automatic Status Switch, Anti-passback, Scheduled-Bell Power Supply 12V DC,3A Operating Temperature 0 °C- 45 °C Operating Humidity 20%-80% Standalone Software Development Kit (SDK) Key switch for emergency access Emergency break glass Exit button - touchless Z / L Bracket and magnet for door		
Installation and commissioning		

<b>Data Cabinet and Racking Systems</b>		
Supply and Installation of 42U Cabinet Racks with 2 access holes SPCC Cold Rolled Steel Glass Door Floor Stand Cabinet CE. RoHS. ISO, ce, RoHS 1200mm Depth 19: Standard Width Glass and Steel Door Black / Grey	2	Units
Perforated Cantilever Tray	4	Units
Power Distribution Units	3	Units
Cage Nuts	1	Set
Installation and commissioning	1	Lot

Monitor and Computer		
<b>SMART TV:</b> <b>Branded and Brand New</b> 55" 350 nits UHD Standard Android Display, 12 x 7 Landscape Diagonal Screen Size 55" Resolutions 3840x2160 Brightness cd/m2: 350 cd/m2  Contrast Ratio: 1200:1 Viewing Angle: 178 (H)/ 178 (V) Response Time: 8ms Bezel Width: L/T/R: 9.8mm DDR: 1Gb Memory (eMMC): 8Gb Input: HDMI 2.0x2 Audio-in USB 2.0x1, USB 3.0x1, LAN, RS232x1  Output: Headphone Jack, RS232x1 Panel Orientation: Landscape Built in Speaker: 8wx2 WxHxD: 1231.6x 707.7 x 62.5mm Power: AC100v - 240v, 50Hz / 60Hz Wall Mounted	4	Unit
<b>TOWER TYPE COMPUTER:</b> <b>Branded and Brand New</b> <b>CPU:</b> 3681-i7 / 10th Gen / Core i7-10700 / <b>MEMORY:</b> 8GB X 1 <b>STORAGE:</b> 512GB SSD <b>OTHER COMPONENT:</b> UMA /Keyboard & Mouse / WIN 11 PRO / 2 YRS Pro Support	1	Unit

LICENSES		
Microsoft Windows Server 2019	7	Licenses
Microsoft SQL Standard 2012	7	Licenses

## SERVER COMPONENTS

<b>APP SERVER</b>	<b>Application Server of the PhilGEPS 1.5</b>		
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1	Lot
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)		
	31 DIMM blanks Notes: 2667 MT/s		
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter		
Storage Controller	MR416i-a/4GB with Smart Storage Battery		
	96W Smart Storage Lithium-ion Battery		
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD		
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)		
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP		
Fans	5 High Performance fans to 7 High Performance fans		
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView		
Security	TPM (Trusted Platform Module)		
Form Factor	1U Rack		
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)		
<b>ADDONS:</b>			
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)		
<b>Warranty:</b>			
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot
	3 Year 24X7 Support Physical, and 1 Server License		





<b>KPMS</b>	Key Pair Management Server of the Modernized PhilGEPS		
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1	Lot
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)		
	31 DIMM blanks Notes: 2667 MT/s		
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter		
Storage Controller	MR416i-a/4GB with Smart Storage Battery		
	96W Smart Storage Lithium-ion Battery		
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD		
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)		
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP		
Fans	5 High Performance fans to 7 High Performance fans		
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView		
Security	TPM (Trusted Platform Module)		
Form Factor	1U Rack		
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)		
<b>ADDONS:</b>			
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)		
<b>Warranty:</b>			
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot
	3 Year 24X7 Support Physical, and 1 Server License		

<b>PREBID</b>	Prebid Server of Modernized PhilGEPS			
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1	Lot	
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)			
	31 DIMM blanks Notes: 2667 MT/s			
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter			
Storage Controller	MR416i-a/4GB with Smart Storage Battery			
	96W Smart Storage Lithium-ion Battery			
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD			
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)			
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP			
Fans	5 High Performance fans to 7 High Performance fans			
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView			
Security	TPM (Trusted Platform Module)			
Form Factor	1U Rack			
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)			
<b>ADD ONS:</b>				
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit			
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)			
<b>Warranty:</b>				
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot	
	3 Year 24X7 Support Physical, and 1 Server License			

<b>DB SERVER</b>	Database Server of the Modernized PhilGEPS		
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1 Lot	
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)		
	31 DIMM blanks Notes: 2667 MT/s		
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter		
Storage Controller	MR416i-a/4GB with Smart Storage Battery		
	96W Smart Storage Lithium-ion Battery		
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD		
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)		
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP		
Fans	5 High Performance fans to 7 High Performance fans		
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView		
Security	TPM (Trusted Platform Module)		
Form Factor	1U Rack		
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)		
<b>ADD ONS:</b>			
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)		
<b>Warranty:</b>			
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1 Lot	
	3 Year 24X7 Support Physical, and 1 Server License		



<b>NFS</b>	File Storage of the Modernized PhilGEPS		
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1	Lot
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)		
	31 DIMM blanks Notes: 2667 MT/s		
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter		
Storage Controller	MR416i-a/4GB with Smart Storage Battery		
	96W Smart Storage Lithium-ion Battery		
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD		
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)		
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP		
Fans	5 High Performance fans to 7 High Performance fans		
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView		
Security	TPM (Trusted Platform Module)		
Form Factor	1U Rack		
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)		
<b>ADD ONS:</b>			
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)		
<b>Warranty:</b>			
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot
	3 Year 24X7 Support Physical, and 1 Server License		

<b>WEB1</b>	Application Server of the Modernized PhilGEPS			
Processor(s)	(2.1GHz, 12-core, 120W) Processor, 18 MB L3 Cache	1	Lot	
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)			
	31 DIMM blanks Notes: 2667 MT/s			
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter			
Storage Controller	MR416i-a/4GB with Smart Storage Battery			
	<i>96W Smart Storage Lithium-ion Battery</i>			
Storage	2 x 300GB SAS 12G Mission Critical 15K SFF BC 3-year Warranty Multi Vendor HDD			
Optical Drive Bay	DVD via Universal Media Bay or USB connectivity (Optional)			
PCI-Express Slots	2 PCIe slots (1 x16 FH / 1 x8 LP) / Optional: 1 x16 FH or LP			
Fans	5 High Performance fans to 7 High Performance fans			
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView			
Security	TPM (Trusted Platform Module)			
Form Factor	1U Rack			
Rail Kit	Easy Install, and optional Cable Management Arm (CMA)			
<b>ADD ONS:</b>				
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit			
	Windows Server 2022 16-core Standard Reseller Option Kit (MS WS22 16C Std ROK en/ko/ja SW)			
<b>Warranty:</b>				
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot	
	3 Year 24X7 Support Physical, and 1 Server License			

<b>PROD DB</b>	Production DB of the PhilGEPS 1.5		
Processor	2.1GHz, 12-core, 120W Processor, 18 MB L3 Cache	1	Lot
Memory	32 GB RDIMM 2R 3200 MT/s (1x 32 GB)	8	
	31 DIMM blanks Notes: 2667 MT/s	2	
Network Controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter	1	
Storage Controller	Smart Array P408i-a SR Gen10 (8 Internal Lanes/2GB Cache) 12G SAS Modular Controller	1	
Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	2	
Management	integrated Lights-out (iLo) with Intelligent Provisioning (standard) /Optional: iLO Advance and OneView	1	
Rail Kit	1U Gen10 SFF Easy Install Rail Kit	1	
<b>ADD ON</b>			
	32GB 2Rx4 PC4-3200AA-R Smart Kit	7	Pc
	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	1	Pc
	2.1GHz, 12-core, 120W Processor, 18 MB L3 Cache	1	Pc
	1.92TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1	Pc
	480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	2	Pc
<b>Warranty:</b>			
	3 year parts, 3 year labor, 3 year onsite support with next business day response.	1	Lot
	3 Year Tech Care Basic DL360 Gen10 Service		



## NON-ACTIVE COMPONENTS

Data Center Design and Glass works construction	1	Lot
<p>Create a functional Data Center Operations in a 5.70 x 3.70 Meters with and average of 21 sqr/m</p> <p>Repurpose and re-design the 21 sq/m space as data center facility</p> <p>Hauling and De-hauling work</p> <p>Site preparation</p> <p>Ceiling works @ Data Center Location</p> <p>Replacement of deteriorated ceiling materials</p> <p>Enclosing / Ceiling preparation for clean agent nozzle</p> <p>Installation of new dry-wall @ Data Center Location</p> <p>White wall Finish, No odor material</p> <p>Skim coat, Industrial coat for drywall</p> <p>Installation of Tempered Viewing Glass</p> <p>Replacement of T runner for ceiling</p> <p>Installation of Tempered Glass door</p> <p>Lay-out of conduiting materials</p> <p>Provisioning of outlined sockets per system</p> <p>Installation of Aluminum Door Jamb Provision</p> <p>Supply and Installation of Flexiboard</p> <p>Metal Tubular @ Drywall Support</p> <p>Supply and Installation of Metal furring 0.4x5</p> <p>Miscellaneous Materials &amp; Consumables</p>		

Electrical works and provisioning	1	Lot
Supply, installation, testing and commissioning of upstream and downstream power supply for the entire data center including its base building i.e. lighting, normal power, etc. Emergency backup power with fuel system inclusive of the package.		
Supply and Installation of new ECB (Circuit Breaker Box / 4 Branches) Installation of 30 Amps Breaker (HVAC - Mechanical / Cooling) Installation of 50 Amps Breaker (Auxiliary devices) Installation of 100 Amps Breaker @ servers (Main) Installation of 60 Amps Breaker @ back-up THHN Black #16 Breaker to unit THHN Red #16 Breaker to unit THHN Black #18 Breaker to main THHN Black #18 Breaker to main THHN Black #12 to auxiliary outlets THHN Red #12 to auxiliary outlets IMC 15 mm dia. IMC 20 mm dia. IMC 25.4 mm dia Utility Box Junction Box Square Box One way switch in One Gang Plate Twist Lock Outlet 30A, 1 Phase, 230V, 3W 2 Gang Set Outlets @ Data Cabinet Location 2 Gang Set Outlets @ Workstation Location Labor, Installation and engineering works Miscellaneous Materials & Consumables		

Virtual Private Network – Branch to branch connection	1	Lot
Configuration and commissioning - required coordination with the branch, Sophos certified engineer		

<b>Infrastructure Connectivity cable works</b>		
Supply, installation and testing of structured cabling works for base building LAN, inter-rack cabling, core switch and data communication cabling for the auxiliary system: Rectification of existing Lan cabling to two (2) server cabinet Node Tracing and installation to the new server cabinet Indoor Distribution FOC 8 Core OM3 Fiber Pigtail LC OM3 Multimode ODF 1RU Rackmount 12 port LC Duplex Loaded OM3 MM Fiber Patchcord Duplex 3m LC OM3 MM IMC Pipe 3/4" IMC Elbow 90degrees 3/4" IMC Coupling 3/4" IMC Connector 3/4" Strut Channel Clamp 3/4" G.I. Wire Electrical tape cable tie 12" Cage Nuts Cat6 UTP Cable Patch Cords Cat6 1 Mtr Patch Cords Cat6 2 Mtrs	1	Lot

<b>Implementation, Commissioning and Turn-over / knowledge transfer</b>	1	Lot
Soft-commissioning, rectification, connectivity test		
Communication testing		
Dry-run		
Knowledge transfer and documentation		

<b>MAINTENANCE</b>		
Maintenance Agreement and SLA Warranty (3 Years) Mandatory 12 Visits and 12 emergency NBD visits per year	1	Lot

## V. INSTITUTIONAL REQUIREMENTS

1. The bidder shall provide in their List of Completed Projects as part of their technical submission, a (1) fully deployed and operationalized Data Center in a government institution or (2) fully deployed and operationalized Data Center in a private office.
2. The bidder shall provide a certificate of completion of the fully deployed and operationalized Data Center
3. Certified authorized dealer of the provided server and archiving storage solution.



## VI. TIMELINES/SCHEDULE OF DELIVERIES

Requirement	Phase	Timeline	Dependencies
Data Center Design and Glass works construction	Phase 1	20-45 calendar days	N/A
Electrical works, Conduiting, piping, and provisioning	Phase 1	20-45 calendar days	N/A
Data Cabinet and racking systems	Phase 1	20-45 calendar days	(A.1)
Uninterruptible Power Supply and power redundancies	Phase 1	20-45 calendar days	(A.2)
Door Access with Facial Recognition	Phase 1	20-45 calendar days	(A.8)
Fire suppression and alarm systems	Phase 1	20-45 calendar days	(A.2)
Software Define Wide Area Network (SDWAN)	Phase 2	2-10 calendar days	Must required 1-2 ISP
Network Gateway Security – Next Generation Firewall	Phase 2	2-10 calendar days	IP address / internal network policy
Platform On-site server implementation / MA and training	Phase 3	45-60 calendar days	N/A
Archiving storage systems	Phase 3	45-60 calendar days	N/A
Virtual Private Network – Branch to branch connection	Phase 2	2-10 calendar days	IP address of the connecting branch
Server and components	Phase 3	20-90 calendar days	N/A
Server Endpoint Protection licenses	Phase 3	45-60 calendar days	N/A

	HVAC / Aircon Supply and Installation	Phase 1	20-45 calendar days	(A.2)
	Infrastructure Connectivity cable works	Phase 1	20-45 calendar days	Construction must be complete
	Implementation, Commissioning and Turn-over / knowledge transfer	Phase 3	45-60 calendar days	N/A
	A target completion of 90 calendar days			

## VII. TERMS OF PAYMENT

Percentage	Winning Bidder Requirement	Prerequisites
10% of Total Contract Price	Submission of the Implementation Plan (Within 7 calendar days upon receipt of NTP)	Submission of Implementation Plan from the winning bidder and acceptance certificate issued by the eGPDOD
25% of Total Contract Price	Delivery of Active Components by 50%	Checklist of delivered tangible Components (equivalent or more than 50% delivered) and acceptance certificate issued by the eGPDOD
20% of Total Contract Price	Delivery of Active Components by 100%	Checklist of Delivered tangible Components (100% delivered) and acceptance certificate issued by the eGPDOD
25% of Total Contract Price	Completion of Data Center Construction, Civil Works, Glass works, piping	Documentation report related to the Data Center Construction from winning bidder and Acceptance Certificate issued by the eGPDOD
10% of Total Contract Price	Configuration and activation of server, networks, and other components in the datacenter including the turnover of license	Documentation Report related to the Server, Network configuration from Winning Bidder and Acceptance Certificate issued by the eGPDOD
7% of Total Contract Price	Dry run, Failover Activity and Knowledge Transfer activity	Documentation Report Related to the Dry Run and Failover Activity, and Acceptance Certificate issued by the eGPDOD
3% Retention fee of every progress payment.  Progress payment start on the second payment	After 6 months from the issuance of certificate of final acceptance. The winning bidder can claim the retention fee.	

## VIII. APPROVED BUDGET CONTRACT

The approved budget amounts to twenty five million six hundred twenty thousand and four cents only **(P25,620,000.04)**.



Prepared by:

**SGD**  
**RON CYPRUS G. OBNIALA**  
*TWG-EGPDOD*

Reviewed By

**SGD**  
**JAMES D. ANGUB**  
*OIC, Division Chief, EGPDOD*

Noted by:

**SGD**  
**ROSA MARIA M. CLEMENTE**  
*Director, PhilGEPS Group*

October 03, 2022

=====

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

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- (a) Valid and Updated PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

**Or**

#### Technical Documents

- (b) 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**
- (c) 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**
- (d) 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**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) 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

- (g) 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**
- (h) 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***

- ☐ (i) 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)**

- ☐ (j) *[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.
- ☐ (k) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

## **II. FINANCIAL COMPONENT ENVELOPE**

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

## Bid Form

Date: \_\_\_\_\_  
Invitation to Bid No: PB No.012-2022

To: **PS-DBM Internal BAC Chairperson**  
Procurement Service  
PS Complex, RR Road  
Cristobal St., Paco, Manila

Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers [\_\_\_\_], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to **Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM) Offices** in conformity with the said Bidding Documents.

LOT NO.	QUANTITY	ITEMS/ DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Procurement Service – Department of Budget and Management (PS-DBM)		

**TOTAL PRICE IN WORDS:**

Lot 1: \_\_\_\_\_

LOT NO.	QUANTITY	ITEMS/ DESCRIPTION	UNIT PRICE	TOTAL PRICE
2	1 lot	Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for Philippine Government Electronic Procurement System (PhilGEPS)		

**TOTAL PRICE IN WORDS:**

Lot 2: \_\_\_\_\_

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Section VI. Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in BDS provision for **ITB** Clause 14.2 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause 5 of the Bidding Documents.

I/We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert]*: as the owner and sole proprietor or authorized representative of *[Name of Bidder]*, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the *[Name/Title of the Project.]*  
Or;

I/We likewise certify/confirm that the undersigned, *[for partnerships, corporations, cooperatives, or joint ventures, insert]*: is granted full power and authority by the *[Name of Bidder]*, to participate, submit the bid and to sign and execute the ensuing contract on the latter's behalf for *[Name/Title of the Project.]*

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_



### Schedule of Prices for Goods Offered From Abroad

Name Bidder: _____	of PB No.012-2022	Page ____ of ____
-----------------------	-------------------	-------------------

[illegible]

[signature]

*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

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### Schedule of Prices For Goods Offered From Within the Philippines

Name Bidder:	of PB No.012-2022	Page ____ of ____
-----------------	-------------------	-------------------

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_



## Omnibus Sworn Statement (Revised)

*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )

CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

### AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**



4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. [Name of Bidder] complies with existing labor laws and standards;

8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity;

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or

abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code;

11. *[Name of Bidder]* hereby assigns the following contact number/s and e-mail address/es as the official telephone/fax number and contact reference of the company where the PS BAC and PS notices may be transmitted.

Telephone No/s.: \_\_\_\_\_

Fax No/s.: \_\_\_\_\_

E-mail Add/s.: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

It is understood that notices/s transmitted in any of the above-stated telephone/fax numbers and/or e-mail address/es are deemed received as of its transmittal and the reckoning period for the reglementary periods stated in the bidding documents and the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall commence from receipt thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of [month] [year] at [place of execution], Philippines. Affiant/s known to me, and known to be the same person/s in the exhibited [insert type of government identification card used\*], with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorney's No. \_\_\_\_\_

PTR No. \_\_\_\_\_ [date issued], [place issued]

IBP No. \_\_\_\_\_ [date issued], [place issued]





Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_.

*\*The identification card shall be at least one of those acceptable proofs of identity as identified under the provisions of the 2004 Rules on Notarial Practice.*

*"Sec. 12. Competent Evidence of Identity – The phrase "competent evidence of identity" refers to the identification of an individual based on:*

*At least one current identification document issued by an official agency bearing the photograph and signature of the individual, such as but not limited to, passport, driver's license, Professional Regulations Commission ID, National Bureau of Investigation clearance, police clearance, postal ID, voter's ID, Barangay certification, Government Service and Insurance System (GSIS) e-card, Social Security System (SSS) card, Philhealth card, senior citizen card, Overseas Workers Welfare Administration (OWWA) ID, OFW ID, seaman's book, alien certificate of registration/immigrant certificate of registration, government office ID, certification from the National Council for the Welfare of Disabled Persons (NCWDP), Department of Social Welfare and Development (DSWD) certification;*

*The Board Resolution or Secretary's Certificate referring to the said Board Resolution designating the bidder's authorized representative and signatory need not specifically indicate the particular project where such authority is given provided that the said authority covers activities by PS.*



**STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID**

This is to certify that \_\_\_\_\_ (company) \_\_\_\_\_ has the following completed contracts for the last five (5) years.

Date of the Contract	Contracting Party	Name of Contract	Kind of Goods Sold	Amount of Contract	Date of Delivery / End-user's Acceptance	Date of Official Receipt	Bidder is A. Manufacturer B. Supplier C. Distributor

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Date

**Instructions:**

- a) Cut-off date as of:
  - (i) Up to the day before the deadline of submission of bids.
  - (ii) In the column under "Dates", indicate the dates of Delivery/ End-user's Acceptance and Official Receipt.
- b) "Name of Contract". Indicate here the Nature/ Scope of the Contract for the Procuring Entity to determine the relevance of the entry with the Procurement at hand. *Example: "Supply and Delivery of Paper Products"*
- c)

### Statement of: (i) Ongoing Contracts and; (ii) Awarded But Not Yet Started Contracts

This is to certify that \_\_\_\_\_ (company) \_\_\_\_\_ has the following ongoing and awarded but not yet started contracts:

Date of the Contract	Contracting Party	Name of Contract	Kind of Goods Sold	Amount of Contract	Value of Outstanding Contracts	Bidder is A) Manufacturer B) Supplier C) Distributor

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Date

**Instructions:**

- a) State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project called for bidding) as of:
  - i. **The day before the deadline of** submission of bids.
- b) If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term.
- c) The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC) in case an NFCC is submitted as an eligibility document. **“Name of Contract”. Indicate here the Nature/ Scope of the Contract for easier tracking of the entries/ representations. Example: “Supply and Delivery of Paper Products”**

## JOINT VENTURE AGREEMENT

### KNOW ALL MEN BY THESE PRESENTS :

This **JOINT VENTURE AGREEMENT** (hereinafter referred to as the "Agreement"), entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_ at \_\_\_\_\_ City, Philippines by and among:

\_\_\_\_\_. a domestic corporation duly organized, registered and existing under and by virtue of the laws of the Republic of the Philippines, with office address at \_\_\_\_\_, represented by its \_\_\_\_\_, \_\_\_\_\_, hereinafter referred to as "\_\_\_\_\_";

- and -

\_\_\_\_\_. a domestic corporation duly organized, registered and existing under and by virtue of the laws of the Republic of the Philippines, with office address at \_\_\_\_\_, represented by its \_\_\_\_\_, \_\_\_\_\_, hereinafter referred to as "\_\_\_\_\_";

- and -

\_\_\_\_\_ a foreign corporation organized and existing under and by virtue of the laws of \_\_\_\_\_, represented by its \_\_\_\_\_, \_\_\_\_\_, hereinafter referred to as "\_\_\_\_\_";



(Henceforth collectively referred to as the “Parties”

**WITNESSETH: That**

**WHEREAS**, the Procurement Service (PS) has recently published an Invitation to Apply for Eligibility and to Bid for the Supply and Delivery of \_\_\_\_\_ for the \_\_\_\_\_ ;

**WHEREAS**, the parties have agreed to pool their resources together to form the “\_\_\_\_\_ Joint Venture”, hereinafter referred to as the Joint Venture, under the laws of the Philippines, for the purpose of participating in the abovementioned procurement of PS-DBM;

NOW, THEREFORE, for and in consideration of the foregoing premises and the covenants hereto set forth, the Parties have agreed as follows:

**ARTICLE I**  
**ORGANIZATION OF THE JOINT VENTURE**

SECTION 1. Formation – The Parties do hereby agree and bind themselves to establish, form and organize a Joint Venture pursuant to the laws of the Republic of the Philippines, in order for the JV to carry on the purposes and objectives for which it is created;

SECTION 2. Name – The name and style under which the JV shall be conducted is “\_\_\_\_\_”;

SECTION 3. Principal Place of Business – The JV shall maintain its principal place of \_\_\_\_\_ business \_\_\_\_\_ at \_\_\_\_\_ ;

SECTION 4. Preparation and Documentation – The Parties shall secure and/or execute such certifications, documents, deeds and instruments as may be required by the laws of the Republic of the Philippines for the realization of the JV and in compliance with the Project. Further, they shall do all other acts and things requisite for the continuation of the JV pursuant to applicable laws;

SECTION 5. The Joint Venture shall be represented by the \_\_\_\_\_ in all biddings, related procurement transactions and other official dealings that it shall enter into with the PS-DBM and third parties, such transactions to include, among others, the submission of eligibility documents, bids, registration documents obtaining bonds, performing the principal contract in the event that the contract is awarded in favor of the Joint Venture, receipt of payment for goods delivered, and similar and related activities.

SECTION 6. The period of the Joint Venture shall begin upon execution of this Agreement and shall continue until the complete performance of its contractual obligations to PS-DBM, as described in Article II hereof, or upon its termination for material breach of any term or condition of this Agreement, by service of a written

statement in English on the other Party, not less than 90 days prior to the intended date termination

## **ARTICLE II PURPOSE**

SECTION 1. The primary purpose of the Joint Venture is to participate in the public bidding to be conducted by the DBM-PS Bids and Awards Committee for the supply and delivery of \_\_\_\_\_ for the \_\_\_\_\_.

SECTION 2. If the above-described contract/s is/are awarded to the Joint Venture, the Joint Venture shall undertake the performance thereof to PS-DBM, and such other incidental activities necessary for the completion of its contractual obligations.

## **ARTICLE III SOLIDARY LIABILITY OF THE PARTIES**

SECTION 1. In the performance of the contract/s that may be awarded to the Joint Venture by the PS-DBM, and all other related activities/obligations, as described in Article II hereof, the Parties bind themselves jointly and solidarily, in the concept of solidarily debtors, subject to the right of reimbursement, as provided in the relevant provisions of the Civil Code of the Philippines.

## **ARTICLE IV CONTRIBUTION AND OTHER ARRANGEMENTS**

SECTION 1. Contribution – The Parties shall contribute the amount of \_\_\_\_\_ (Php ) to support the financial requirements of the Joint Venture, in the following proportion:

A.	-	P	.00
B.	-	P	_____.00
TOTAL		P	.00

Additional contributions to the Joint Venture shall be made as may be required for contract implementation. In addition, \_\_\_\_ shall contribute any labor and contract management requirements.

SECTION 2. Profit Sharing – The share of the Parties to the JV from any profit derived or obtained from the implementation and execution of the Project shall be distributed pro rata to each, in accordance with the contribution and resources each has provided to the JV;

SECTION 3. Liquidation and Distributions – Any sum remaining after deducting from the total of all moneys or benefits received for the performance of the contract, all costs incurred by the JV after award of the contract for the Project pursuant to the accounting practices established for the JV, shall be distributed in accordance with the



relative balances in the accounts of each Party pursuant to Sec.1 of this Article upon completion, final accounting, termination and liquidation of the JV. In the event of liquidation and termination of JV, and after taking into account the shares of the Parties in all income, gain, deductions, expenses, and losses, should the account of a Party contain a negative balance, such Party shall contribute cash to the JV sufficient to restore the said balance to zero;

SECTION 4. Sharing of Burden of a Net Loss – In case a net loss is incurred, additional contributions shall be made by the Parties in accordance with their respective shares.

## **ARTICLE V**

### ***MISCELLANEOUS PROVISIONS***

SECTION 1. The provisions of the Instructions to Bidders, Supplemental Bid Bulletin, and other bidding documents issued by the PS-DBM in relation to the contract described in Article II hereof, shall be deemed incorporated in this Agreement and made an integral part thereof.

SECTION 2. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and assigns.

SECTION 3. The Parties herein are duly represented by their authorized officers.

SECTION 4. Governing Law - This Agreement shall be governed by and construed according to the laws of the Republic of the Philippines. Venue of any court action arising from this Agreement shall be exclusively laid before the proper court of the \_\_\_\_\_, Philippines.

IN WITNESS WHEREOF, the parties have set their hands and affixed their signatures on the date and place first above-stated.

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

Signed in the Presence of:

\_\_\_\_\_  
\_\_\_\_\_

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## ACKNOWLEDGMENT

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.  
PROVINCE OF (in the case of Municipality)

BEFORE ME, a Notary Public for and in the City/Municipality of \_\_\_\_\_ (indicate also the Province in the case of Municipality), this \_\_\_\_\_ day of \_\_\_\_\_ (month & year) personally appeared the following:

Name	ID Name, Number and Validity Date
------	-----------------------------------

Known to me and to me known to be the same persons who executed the foregoing instrument and they acknowledge to me that the same is their free and voluntary act and deed and that of the corporation(s) they represent.

This instrument refers to a Joint Venture Agreement consisting of \_\_\_\_\_ pages, including the page on which this Acknowledgement is written, and signed by the parties and their instrumental witnesses.

WITNESS MY HAND AND NOTARIAL SEAL on the place and on the date first above written.

### NAME OF NOTARY PUBLIC

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_, [date issued], [place issued]

IBP No. \_\_, [date issued], [place issued]

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_.

Note:

*The identification card shall be at least one of those acceptable proofs of identity as identified under the provisions of the 2004 Rules on Notarial Practice.*

*"Sec. 12. Competent Evidence of Identity – The phrase "competent evidence of identity" refers to the identification of an individual based on:*

*At least one current identification document issued by an official agency bearing the photograph and signature of the individual, such as but not limited to, passport, driver's license, Professional Regulations Commission ID, National Bureau of Investigation clearance, police clearance, postal ID, voter's ID, Barangay certification, Government Service and Insurance System (GSIS) e-card, Social Security System (SSS) card, Philhealth card, senior citizen card, Overseas Workers Welfare Administration (OWWA) ID, OFW ID, seaman's book, alien certificate of registration/immigrant certificate of registration, government office ID, certification from the National Council for the Welfare of Disabled Persons (NCWDP), Department of Social Welfare and Development (DSWD) certification*



## SUPPLIER'S LETTERHEAD

Date

**Chairperson  
PS-DBM Internal Bids and Awards Committee  
Paco, Manila**

Dear Sir:

This has reference to Public Bidding No. 012-2022 for \_\_\_\_\_ (Name of Project) \_\_\_\_\_.  
\_\_\_\_\_  
(Name of Company)  
\_\_\_\_\_ respectfully requests for the following:

- ( ) Withdraw of Bid Submissions  
( ) Refund of Bid Security  
(Attached is a photocopy of the Procurement Service Official Receipt)  
( ) Cancellation of Credit Line Certificate

It is understood that \_\_\_\_\_ waives its right to file any motion for reconsideration and/or protest in connection with the above-cited Public Bidding Project.

Thank you.

Very truly yours,

**Authorized Signatory for the Company**

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## Form of Performance Security (Bank Guarantee)

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To : Procurement Service  
PS Complex, Cristobal St.,  
Paco, Manila

WHEREAS, \_\_\_\_\_ (*Name and Address of Supplier*) (hereinafter called “the Supplier”) has undertaken, in pursuance of Notice of Award No. \_\_\_\_\_ dated \_\_\_\_\_ to execute (*Name of Contract and Brief Description*) (hereinafter called “the Contract”);

AND WHEREAS, it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS, we have agreed to give the Supplier such a Bank Guarantee;

NOW THEREFORE, we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Supplier, up to a total of [*Amount of Guarantee*] proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [*Amount of Guarantee*] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between you and the Supplier shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the date of issue of the Final Acceptance [Inspection, & Certification of Acceptance Report(I.C.A.R)].

SIGNATURE AND SEAL OF THE GUARANTOR		
NAME OF BANK		
ADDRESS		
DATE		



## BID SECURING DECLARATION FORM

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

X-----X

### BID SECURING DECLARATION Invitation to Bid: *Public Bidding No.012-2022*

To: **Procurement Service**  
*PS Complex, RR Road*  
*Cristobal St., Paco, Manila*

I/We<sup>1</sup>, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - (a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - (b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
  - (c) I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of  
[month] [year] at [place of execution].

<sup>1</sup> Select one and delete the other. Adopt the same instruction for similar terms throughout the document.



[Insert NAME OF BIDDER'S AUTHORIZED  
REPRESENTATIVE]

[Insert Signatory's Legal Capacity]

Affiant

SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of [month] [year] at [place of execution], Philippines. Affiant/s known to me, and known to be the same person/s in the exhibited [insert type of government identification card used\*], with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

NAME OF NOTARY PUBLIC
Serial No. of Commission _____
Notary Public for _____ until _____
Roll of Attorney's No. _____
PTR No. _____ [date issued], [place issued]
IBP No. _____ [date issued], [place issued]

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_

*\*The identification card shall be at least one of those acceptable proofs of identity as identified under the provisions of the 2004 Rules on Notarial Practice.*

*"Sec. 12. Competent Evidence of Identity – The phrase "competent evidence of identity" refers to the identification of an individual based on:*

*At least one current identification document issued by an official agency bearing the photograph and signature of the individual, such as but not limited to, passport, driver's license, Professional Regulations Commission ID, National Bureau of Investigation clearance, police clearance, postal ID, voter's ID, Barangay certification, Government Service and Insurance System (GSIS) e-card, Social Security System (SSS) card, Philhealth card, senior citizen card, Overseas Workers Welfare Administration (OWWA) ID, OFW ID, seaman's book, alien certificate of registration/immigrant certificate of registration, government office ID, certification from the National Council for the Welfare of Disabled Persons (NCWDP), Department of Social Welfare and Development (DSWD) certification*





### Performance Securing Declaration (Revised)

*[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]*

\_\_\_\_\_  
RÉPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_ ) S.S.

### PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]  
To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of  
[month] [year] at [place of execution].

[Insert NAME OF BIDDER'S AUTHORIZED  
REPRESENTATIVE]

[Insert Signatory's Legal Capacity]  
Affiant



SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of [month] [year] at [place of execution], Philippines. Affiant/s known to me, and known to be the same person/s in the exhibited [insert type of government identification card used\*], with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

NAME OF NOTARY PUBLIC
Serial No. of Commission _____
Notary Public for _____ until _____
Roll of Attorney's No. _____
PTR No. _____ [date issued], [place issued]
IBP No. _____ [date issued], [place issued]

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_.

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*"Sec. 12. Competent Evidence of Identity – The phrase "competent evidence of identity" refers to the identification of an individual based on:*

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**Contract Agreement Form for the Procurement of Goods (Revised)**  
*[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]*

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**CONTRACT AGREEMENT**

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures in specified currency]* (hereinafter called “the Contract Price”).

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, viz.:
  - i. Philippine Bidding Documents (PBDs);
  - i. Schedule of Requirements;
  - ii. Technical Specifications;
  - iii. General and Special Conditions of Contract; and
  - iv. Supplemental or Bid Bulletins, if any
- ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

*for:*

*for:*

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

§

§





## ACKNOWLEDGMENT

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.  
PROVINCE OF (in the case of Municipality)

BEFORE ME, a Notary Public for and in the City/Municipality of \_\_\_\_\_ (indicate also the Province in the case of Municipality), this \_\_\_\_\_ day of \_\_\_\_\_ (month & year) personally appeared the following:

Name

ID Name, Number and Validity Date

Known to me and to me known to be the same persons who executed the foregoing instrument and they acknowledge to me that the same is their free and voluntary act and deed and that of the corporation(s) they represent.

This instrument refers to a Joint Venture Agreement consisting of \_\_\_\_\_ pages, including the page on which this Acknowledgement is written, and signed by the parties and their instrumental witnesses.

WITNESS MY HAND AND NOTARIAL SEAL on the place and on the date first above written.

### NAME OF NOTARY PUBLIC

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_, [date issued], [place issued]

IBP No. \_\_, [date issued], [place issued]

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_.

Note:

*The identification card shall be at least one of those acceptable proofs of identity as identified under the provisions of the 2004 Rules on Notarial Practice.*

*"Sec. 12. Competent Evidence of Identity – The phrase "competent evidence of identity" refers to the identification of an individual based on:*

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