

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **PROCUREMENT OF THE EXPANSION OF EXISTING HYPER-CONVERGED INFRASTRUCTURE APPLIANCE (HCIA) AND OTHER DATACENTER SUPPORT SYSTEM (SERVER INFRASTRUCTURE EXPANSION) FOR PDIC**

Project Reference No. 2024-06 /

Government of the Republic of the Philippines

**Philippine Deposit Insurance Corporation**

**6 March 2024 /**

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

**Preface**

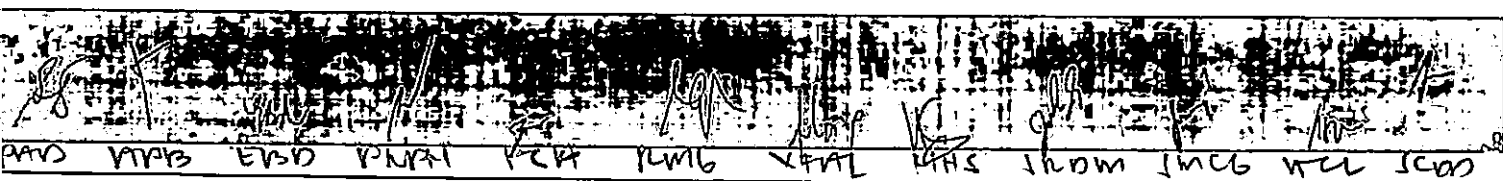
These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines,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

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

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

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

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of



Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

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

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# *Glossary of Acronyms, Terms, and Abbreviations*

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

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

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

**CDA** - Cooperative Development Authority.

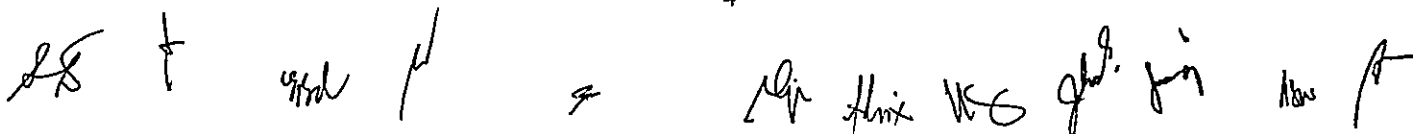
**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting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

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

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



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

**EXW** – Ex works.

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

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

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

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

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

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

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

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

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

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

**UN** – United Nations.

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## *Section I. Invitation to Bid*

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

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

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

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

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

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**PHILIPPINE DEPOSIT INSURANCE CORPORATION**  
**INVITATION TO BID FOR Procurement of the Expansion of**  
**Existing Hyper-Converged Infrastructure Appliance**  
**(HCIA) and Other Datacenter Support System (Server**  
**Infrastructure Expansion) for PDIC**

1. The *Philippine Deposit Insurance Corporation*, through the *2024 Corporate Operating Budget* intends to apply the sum of *Php 49,000,000.00*, being the ABC to payments under the contract for *Procurement of the Expansion of Existing Hyper-Converged Infrastructure Appliance (HCIA) and Other Datacenter Support System (Server Infrastructure Expansion) for PDIC, Identification No 2024-06*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Philippine Deposit Insurance Corporation* now invites bids for the above Procurement Project. *The PDIC needs to procure various IT equipment in order to expand the capacity of its existing Hyper-Converged Infrastructure Appliance (HCIA) as well as its Data Support System.* The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of RA No. 9184.

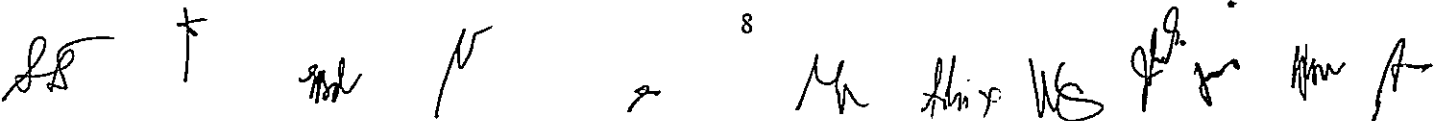
4. Prospective Bidders may obtain further information from *Philippine Deposit Insurance Corporation* and inspect the Bidding Documents at the address given below during office hours from 8:00 AM to 5:00 PM, Mondays through Fridays.

*3rd Floor PDIC BAC Secretariat, PDIC Building, 2228 Don Chino Roces Avenue, Makati City.*

5. A complete set of Bidding Documents may be acquired by Bidders on March 18, 2024 from the address above and website(s) below *upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Php 25,000.00.* The Procuring Entity allows the bidder to present its proof of payment for the fees *in person.*
6. The *Philippine Deposit Insurance Corporation* will hold a Pre-Bid Conference<sup>1</sup> on April 02, 2024 at 2:00 PM at the 5th Floor Conference Room, PDIC Building 2228 Don Chino Roces Avenue, Makati City, and through video conferencing or webcasting via MS Teams link herein below provided which shall be open to prospective bidders:

<https://teams.microsoft.com/j/team/19%3a3e3a82c13e4a2418>

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




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=1a61d44d-55ff-4fe6-b3e4-76e886a218cc&tenantId=8f3038a8-  
ef6f-4a95-996b-0688c89f4610

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before April 16, 2024. Late bids shall not be accepted.

**Ground Floor, PDIC Building, 2228 Don Chino Roces Avenue, Makati City,**

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on April 16, 2024 2:00 PM at the 5<sup>th</sup> Floor Conference Room, PDIC Building, 2228 Don Chino Roces Avenue, Makati City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. Late bids shall not be accepted. The wall clock located at the Ground Floor lobby, PDIC Building, 2228 Don Chino Roces Avenue Makati City shall be used as the official timer for the submission of bids. Submission made after the deadline shall be considered late and automatically rejected.
10. The *Philippine Deposit Insurance Corporation* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:  
*Ms. Analinda C. Lao*  
*BAC Secretariat*  
*PDIC Bldg., 2228 Don Chino Roces Avenue, Makati City,*  
*Telephone Numbers : (02) – 8841-4915*  
*ppdbac@pdic.gov.ph*  
*Fax Number : (02) – 8841-4931*
12. You may visit the following websites:  
For downloading of Bidding Documents: *Website: www.pdic.gov.ph*

  
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SANDRA A. DIAZ  
Chairperson, PDIC Bids and Awards Committee

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## 1. Scope of Bid

The Procuring Entity, Philippine Deposit Insurance Corporation wishes to receive Bids for the *Procurement of the Expansion of Existing Hyper-Converged Infrastructure Appliance (HCIA) and Other Datacenter Support System (Server Infrastructure Expansion) for PDIC* with identification number 2024-06.

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2024 Corporate Operating Budget in the amount of Php 49,000,000.00.

The source of funding is the 2024 Corporate Operating Budget.

## 3. Bidding Requirements

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

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

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

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

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

## 5. Eligible Bidders

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

a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:

- i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
    - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
    - iii. When the Goods sought to be procured are not available from local suppliers; or
    - iv. When there is a need to prevent situations that defeat competition or restrain trade.
  - b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## 6. Origin of Goods

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

## 7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. **Subcontracting is not allowed.**
- 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.

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## 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 and/or through videoconferencing/webcasting 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 *the last five (5) years* reckoned from the posting of Invitation to Bid.
- 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.
  - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

## 13. Bid and Payment Currencies

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

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

Philippine Pesos.

## 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>2</sup> or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid for period of *120 calendar days from the date of 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.

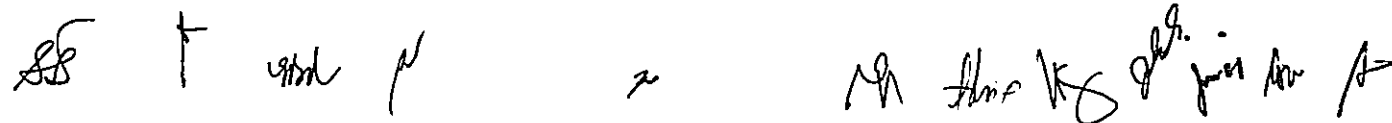
In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 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

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





- 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 14 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

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

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## 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**.

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## *Section III. Bid Data Sheet*

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

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

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

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

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

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# Bid Data Sheet

| ITB Clause |  |
|------------|--|
| 5.3        | <p>For this purpose, contracts similar to the Project shall be:</p> <p>a. <i>Business providing supply, delivery and installation of Hyper-Converged Infrastructure Appliance as well as Data Support System;</i> ✓</p> <p>b. completed within the last five (5) years reckoned from the date of the posting of the Invitation to Bid.✓</p>  |
| 7.1        | <p><i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.]</i></p> <p><i>Not applicable</i></p>   |
| 12         | <p>The price of the Goods shall be quoted DDP <i>[state place of destination]</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.</p> <p><i>Not applicable</i></p>  |
| 14.1       | <p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p>a. The amount of not less than P980,000.00 <i>[equivalent to two percent (2%) of ABC]</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</p> <p>b. The amount of not less than P2,450,000.00 <i>[equivalent to five percent (5%) of ABC]</i> if bid security is in Surety Bond.</p>  |
| 19.3       | <p><i>[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]</i></p> <p><i>[In case the project will be awarded by item, list each item indicating its quantity and ABC.]</i></p> <p><i>Please refer to the Terms of Reference</i></p>   |
| 20.2       | <p><i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i></p> <ol style="list-style-type: none"> <li>1. <i>2022 Income Tax Return filed and paid thru the Bureau of Internal Revenue (BIR) Electronic and Filing Payment System (EFPS);</i> ✓</li> <li>2. <i>Business Tax Returns within the last 6 months preceding the date of bid submission filed and paid thru BIR EFPS;</i> ✓</li> <li>3. <i>Certification from the manufacturer/vendor authorizing the bidder to sell, configure and support the product;</i> ✓</li> </ol> |

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|  | <p>4. Name of the Project Manager, certificate of employment and list of project managed in the last three (3) years (must indicate the Project Name, Contract Amount, Start Date of the Project, End Date of the Project, Customer Name and Contact Person and Details); ✓</p> <p>5. Names of Personnel trained for the installation, implementation, administration, vendor certification or verified on-line badge of trainings and certificate of employment; ✓</p> <p>6. Certification that the proposed solution is globally acknowledged/recognized in technology industry by a reputable international organization atleast once for the last three (3) years under HCIA, Back-up and Recovery Solution and File and Object and storage category. ✓</p> |
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## *Section IV. General Conditions of Contract*

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

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

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

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

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

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

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

### **1. Scope of Contract**

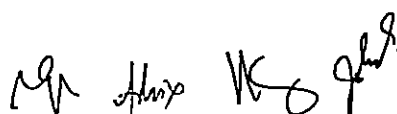
This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual,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

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

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

### **2. Advance Payment and Terms of Payment**

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.



### 3. Performance Security

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

### 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project 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*

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

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

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

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

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

# Special Conditions of Contract

# Special Conditions of Contract

| GCC Clause |  |  |
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| 1.         | <b>Scope of Contract:</b>  |  |
|            | <p>The Contract covers the supply, delivery, installation, configuration and testing of various IT equipment necessary to expand the capacity of the existing Hyper-Converged Infrastructure Appliance (HCIA) and other Data Center Support Systems of the Procuring Entity (hereinafter referred to as the "Project").</p> <p>Towards this, the Supplier shall, to the satisfaction of the Procuring Entity, supply, deliver, install, configure, and implement Project, with the following specifications/requirements/features:</p> |  |
|            | <b>Description</b>   | <b>MINIMUM MANDATORY REQUIREMENT</b>   |
|            | <i>A. HYPER-CONVERGED INFRASTRUCTURE APPLIANCE (HCIA)</i>  |  |
|            | 1. Scope   | Supply, delivery, installation, configuration and testing of three (3) additional HCIA nodes that are compatible with the brand/model of the current HCIA Cluster of the Procuring Entity.   |
|            | 2. Appliance-type  | <ul style="list-style-type: none"> <li>• Hyperconverged Infrastructure Appliance which consists of compute, network, storage and hypervisor (virtualization software) in a single appliance, enclosure or block</li> <li>• Shall be compatible with the existing HCIA Cluster of the Procuring Entity, which is currently running using three (3) units of Nutanix NX 8235-G6.</li> </ul>  |
|            | 3. Chassis/Block/Node  | <ul style="list-style-type: none"> <li>• At least three (3) units with the following technical specifications:                             <ul style="list-style-type: none"> <li>i. Maximum of 2U, rack mountable (includes the mounting braces)</li> <li>ii. With dual hot swappable power supply</li> <li>iii. With integrated system cooling</li> <li>iv. Input voltage: 100-240V AC auto-range</li> <li>v. Input frequency: 50-60Hz</li> </ul> </li> <li>• Each chassis/block/node shall have the following:                             <ul style="list-style-type: none"> <li>i. at least dual server-type processor with the following technical specifications:                                     <ul style="list-style-type: none"> <li>a. at least 16 cores per processor</li> <li>b. processor frequency of at least 2.4Ghz</li> <li>c. cache memory of at least 24MB</li> </ul> </li> </ul> </li> </ul> |

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|                            | <ul style="list-style-type: none"> <li>d. manufactured using 10nm lithography</li> <li>ii. at least thirty-two (32) memory slots. Twenty-four (24) memory slots/modules shall be installed with at least 64GB 3200MHz DDR4 RDIMM for a total of at least 1536GB RAM</li> <li>iii. at least twelve (12) storage bays. Ten (10) storage bays shall be installed with at least 7.64 TB SSD for a total of at least 76.4 TB raw storage capacity</li> <li>iv. at least two (2) network module with two (2) 10G SFP+ ports per module</li> </ul> <ul style="list-style-type: none"> <li>• Shall be compatible with the exiting IT equipment racks installed inside the Procuring Entity's Data Center</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals</li> </ul>  |
| 4. Virtualization Software | <ul style="list-style-type: none"> <li>• Shall be compatible and integrate seamlessly with the existing HCIA cluster of the Procuring Entity by leveraging on the expand cluster functionality</li> <li>• Shall have the facility to migrate all the VMs currently running on the existing HCIA Cluster to the expanded/upgraded HCIA, if necessary</li> <li>• Shall have facility to convert all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software, if necessary</li> <li>• Shall have the facility to convert existing physical servers to Virtual Machines using the new Virtualization Software, if necessary</li> <li>• Shall be hardware and hypervisor agnostic having no conflict with driver and firmware updates</li> <li>• shall support the following features: <ul style="list-style-type: none"> <li>i. Ensures the lowest possible latency and prevents the network from becoming congested</li> <li>ii. Options of N+1 or N+2 availability for data storage</li> <li>iii. Support both hybrid and all-flash nodes/servers in the same cluster for maximum flexibility</li> <li>iv. Allows administrator to do self-service recovery from the data protection snapshots.</li> <li>v. Unlimited VM's snapshot at storage level</li> <li>vi. Crash and application consistent backup within cluster</li> <li>vii. Deduplication, compression, &amp; erasure coding on both hybrid and all-flash configurations and can independently turn on/off from other workloads running within the cluster</li> <li>viii. Ability to convert cluster from one hypervisor to another on the fly without data movement</li> </ul> </li> </ul> |

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|   | <ul style="list-style-type: none"> <li>ix. Support more than one (1) hypervisors within the same cluster</li> <li>x. Supports various replication topology, such as, but not limited to, site to site (between 2 different hypervisors), hub &amp; spoke, partial mesh, and full mesh</li> <li>xi. Built-in native proactive support tools such as, but not limited to, alerts and "call-home" functionality</li> <li>xii. Native Key Management System for Data at Rest encryption</li> </ul> <ul style="list-style-type: none"> <li>• Shall support Virtual Distributed Switch and Network I/O Control</li> <li>• Shall support use of VLANs to be able to easily create and manage a VNIC Networks for user VMs without any additional host configuration</li> <li>• Shall be capable to segment network traffic using VLAN-based segmentation</li> </ul>   |
| <p>5. Management, Automation and Security</p> | <ul style="list-style-type: none"> <li>• Shall support management services for multi-cluster deployments which can be deployed in Highly Availability (HA) configuration</li> <li>• Shall provide visibility of network infrastructure which provides the network layout of both the virtual network layer and physical network diagram from web-based management console</li> <li>• Shall provide a management tool that includes a capacity planning feature to 'right size' expansion to support application growth and addition of new workloads.</li> <li>• Shall provide predictive analysis and capacity behavior for automated optimization</li> <li>• Shall provide proactive remediation for anomaly and bottleneck detection</li> <li>• Shall provide an intuitive, single-point management graphical interface to assist with performance configuration planning, workload balancing, analyzing and optimizing all physical and virtualized storage system performance.</li> <li>• Shall support one (1) click non-disruptive updates (no down time) for the Core Operating System, Hypervisor, disk, and system firmware for both within the cluster and across multiple clusters</li> <li>• shall automatically and constantly keep infrastructure secure via automated checks and self-healing. Logs of all corrective changes shall be retained for audit and review.</li> <li>• shall support Self-Remediating Security Automation, which allows the system to automatically reverts to approved secure state at designated interval</li> </ul> |

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| 6. File Storage Management System | <ul style="list-style-type: none"> <li>• Shall support native file storage supporting NFS v3/v4 and SMB 2.0/3.0 for Linux and Windows OS with unlimited shares integrated with Active directory/LDAP</li> <li>• Shall support native scale-up and scale-out distributed architecture file storage with session load balancing functionality for consistent user session</li> <li>• Shall support integrated file storage should support user and group level share quota restriction with hard and soft limit</li> <li>• Shall support integrated files storage shall restrict users to see any other files/folder other than their designated permissible files/folders</li> <li>• Shall handle at least a million IOPS to process I/O-heavy applications, including SAP and database applications, with high throughput, and low latency</li> <li>• Shall supports secure administrative partitions for multi-tenancy requirements</li> <li>• Shall provide thin provisioning of storage resources, deduplication, compression, data replication and mirroring of data in memory caches and buffers, as well as the data stored on solid-state or magnetic disk across storage nodes</li> <li>• Shall include LUN manager, customized volume size, Data Retention Utility, cache residency manager feature, quality of service controls, audit log, command control interface and volume shredder feature.</li> </ul> |
| 7. Additional Components          | <ul style="list-style-type: none"> <li>• Shall include the required licenses for the latest version of Microsoft Server as Guest Operating System that supports unlimited Virtual Machines</li> <li>• Shall include all the software and user licenses required to successfully implement the required server virtualization in the expanded HCIA Cluster</li> </ul>  |
| 8. Other Deliverables             | <ul style="list-style-type: none"> <li>• Integration of the new HCIA with the existing HCIA Cluster of the Corporation</li> <li>• Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>• Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>• Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>• Migration/Transferring of all files to the new storage</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary</li> <li>• Preparation and submission of as built document, which include, but not limited to, user manual and system documentations</li> </ul>   |

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|                            | <ul style="list-style-type: none"> <li>• Other activities necessary to ensure the successful completion and implementation of the proposed solution.</li> </ul>   |
| <b>B. NETWORK SWITCHES</b> |   |
| 1. Scope                   | <ul style="list-style-type: none"> <li>• Supply, delivery, configuration and testing of two (2) units Network Switches.</li> </ul>  |
| 2. Compatibility           | <ul style="list-style-type: none"> <li>• Shall be compatible in terms of configuration, integration and connectivity with the following Procuring Entity's existing switches: <ul style="list-style-type: none"> <li>a. Aruba 8320</li> <li>b. Aruba 2930F</li> </ul> </li> <li>• Any and all compatibility issues with Procuring Entity's existing network switches that entails cost shall be shouldered and resolved by the Supplier</li> </ul>  |
| 3. Interfaces/Ports        | <ul style="list-style-type: none"> <li>• At least forty-eight (48) 25G SFP28 ports</li> <li>• At least six (6) 100G QSFP28 ports capable to support the following types of transceivers: <ul style="list-style-type: none"> <li>i. 1G SFP RJ45 100m Cat5e</li> <li>ii. 10G SFP+ RJ45 30m Cat6A</li> <li>iii. 10G SFP+ LC SR 300m MMF</li> <li>iv. 25G SFP28 LC SR 100m MMF</li> </ul> </li> <li>• At least one (1) Out-of-band management port</li> <li>• At least one (1) USB-C Console Port</li> <li>• At least one (1) USB Type-A Host port</li> </ul> |
| 4. Power Supply            | <ul style="list-style-type: none"> <li>• At least two (2) hot swappable redundant power supplies</li> </ul>   |
| 5. Form Factor             | <ul style="list-style-type: none"> <li>• Maximum of 1RU (with standard mounting kit included)</li> </ul>  |
| 6. Hardware Specifications | <ul style="list-style-type: none"> <li>• At least Quad Core 1.8 GHz CPU</li> <li>• At least 16 GB RAM</li> <li>• At least 32 GB Flash</li> </ul>  |
| 7. Performance Requirement | <ul style="list-style-type: none"> <li>• At least 48Tbps Switching Capacity</li> <li>• At least 145,780 IPv4 Host Table</li> <li>• At least 145,780 IPv6 Host Table</li> <li>• At least 606,977 IPv4 Unicast Routes</li> <li>• At least 630,784 IPv6 Unicast Routes</li> <li>• At least 7,000 IPv4 Multicast Routes</li> <li>• At least 7,000 IPv6 Multicast Routes</li> <li>• At least 212,992 MAC Table Capacity</li> </ul>   |

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| 8. Features                            | <ul style="list-style-type: none"> <li>• Highly available routed environment</li> <li>• DHCP and DHCP relay</li> <li>• Policy-based Routing</li> <li>• Static Routing</li> <li>• Quality of Service</li> <li>• Equal-Cost Multipath</li> <li>• Port Mirroring</li> <li>• Access Control List</li> <li>• Link Aggregation Control Protocol</li> <li>• Supports VXLAN encapsulation protocol for overlay network</li> <li>• Built-in programmable and REST API interface</li> </ul>  |
| 9. Transceivers                        | <ul style="list-style-type: none"> <li>• Supply, delivery and installation of the following: <ul style="list-style-type: none"> <li>i. at least twenty (20) units 10G Base-T SFP+ RJ45 transceivers</li> <li>ii. at least sixteen (16) units 1G Base-T SFP RJ45 transceiver</li> <li>iii. at least sixty-four (64) units 10G SFP+ LC SR 300m MMF transceiver</li> <li>iv. at least four (4) units 100G QSFP28 to QSFP28 1m direct attached cable</li> </ul> </li> <li>• All transceivers must be of same brand as the proposed Network Switch.</li> </ul>  |
| <b>C. BACKUP AND RECOVERY SOLUTION</b> |  |
| 1. Scope                               | <ul style="list-style-type: none"> <li>• Supply, delivery, installation, configuration and testing of the Backup and Recovery Software, Backup Server and Storage necessary to support the expanded Server Infrastructure.</li> </ul>  |
| 2. Backup Software                     | <ul style="list-style-type: none"> <li>• Shall include the required perpetual software licenses for the expanded HCIA capacity regardless of the number of VMs and physical targets.</li> <li>• Shall be able to back up NAS and/or SAN storage without any additional license being required</li> <li>• Shall be able to back up to tape as secondary copy without any additional license being required</li> <li>• Shall be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3 – LTO7)</li> <li>• Shall be able to support the following backup operations: <ul style="list-style-type: none"> <li>i. Creation of image, file, application and database-based backup of all the target at a specific point in time</li> <li>ii. Disk-To-Disk-To-Tape (D2D2T) architecture</li> <li>iii. Creation of forever forward incremental and forward incremental backup chains per VM</li> <li>iv. Incremental backup on file-level and able to write to backup tapes</li> </ul> </li> </ul> |

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|  |  | <ul style="list-style-type: none"> <li>v. Supports backup of Microsoft Windows and Linux Servers regardless of the environment (physical or virtual machine)</li> <li>vi. Supports backup of VMware version 6 and/or Nutanix AHV 5.5.x and the latest version of VMs and volume groups</li> <li>vii. Built-in deduplication technology with compression when storing backup on disk to reduce storage requirement for longer term retention and further increase storage and save ratio</li> <li>viii. Generation of reports, indicating the results of backup and snapshot activities</li> <li>• Shall be able to support the following restoration/recovery operations: <ul style="list-style-type: none"> <li>i. files, folder, database and image level restoration and recovery</li> <li>ii. physical machine restoration to a different or same specification/brand of hardware for supported Windows and Linux Server</li> <li>iii. facility to directly restore to the cloud and other hypervisors</li> <li>iv. supports online restore, recovery using a replicate backup set without the need of interfering with replication process</li> <li>v. perform recovery of VM by starting up VM in production environment, directly from the native backup file</li> <li>vi. automated/scheduled data restoration/recovery during an actual disaster or disaster recovery simulation/testing</li> <li>vii. replicate backup on recovery seamlessly to other location or multiple disaster recovery sites</li> <li>viii. granular recovery of Active Directory object, SQL Database, Oracle Database, Sharepoint &amp; Exchange</li> </ul> </li> <li>• Shall be able to provide advanced monitoring, reporting, capacity planning for both the Virtual and Backup infrastructure.</li> <li>• Shall be able to include built in AES 256-bit encryption, compression and deduplication</li> <li>• capable to provide 24X7 real time performance monitoring by collecting data on an interval that includes all major performance metrics including compute (CPU and RAM), storage and network</li> <li>• shall allow viewing and analysis of historical performance data to understand trends and facilitate troubleshooting.</li> <li>• able to send notification of alarms via customizable email.</li> </ul> |
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|                  | <ul style="list-style-type: none"> <li>• able to generate reports that track configuration changes in both the virtual and backup infrastructure including the change location and the user authenticated to perform it.</li> <li>• Ability to generate report to show all protected and unprotected computers including their last backup state for physical workload.</li> </ul>  |
| 3. Backup Server | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack-mountable server with the following technical specifications:             <ol style="list-style-type: none"> <li>i. at least two (2)x 16-cores of the latest generation processor with at least 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have Internal storage with the following minimum technical specifications:                 <ol style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> </ol> </li> <li>iv. Network interface card shall have the following:                 <ol style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ol> </li> </ol> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration</li> <li>• Shall have dual socket and hot swappable power supply</li> <li>• Maximum of 1U rack space</li> <li>• Shall have integrated system cooling</li> <li>• Supports input voltage of 100-240V AC, auto-range</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit</li> <li>• Shall have embedded management software for centralized monitoring of all server components</li> </ul> |

*Mr. John NG 4/21/24*

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|  | <ul style="list-style-type: none"> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server.</li> </ul>   |
| 4. Backup Storage  | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2) x 16GB memory per module/controller</li> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> <li>iv. Shall have at least eight (8) x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> </li> <li>• Maximum of 2U rack space, rack mountable.</li> <li>• Supports input voltage of 100-240V AC auto-range.</li> <li>• Shall support at least three (3) expansion arrays using 12GB SAS interface expansion protocol.</li> <li>• Shall have controller card compatible with iSCSi, with at least four (4)x dual 10G SFP+ port controller.</li> <li>• Has the capability for asynchronous replication via fibre channel (FC) or iSCSI from target/source relationships which may be one-to-many or many-to-one.</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array.</li> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array.</li> </ul> |
| 5. Other Deliverables  | <ul style="list-style-type: none"> <li>• At least sixty (60) units of LTO-7 tape media that will be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3).</li> <li>• Setup and configuration of the unified backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation.</li> <li>• Migration/Transferring of all files to the new storage.</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary.</li> </ul>   |
| <b>D. ENTERPRISE SERVER AND STORAGE FOR CLOSED BANKS' ELECTRONIC RECORDS ARCHIVE MANAGEMENT SYSTEM (CBERAMS)</b> |   |
| 1. Scope   | <ul style="list-style-type: none"> <li>• Supply, delivery, installation, configuration and testing of The Server and Storage, including other hardware and software components necessary to support the operation of the existing Closed Banks Electronic Records Archive Management System (CBERAMS).</li> </ul>   |
| 2. CBERAMS Server  | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack-mountable server with the following technical specifications:</li> </ul>   |

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|  |                    | <ul style="list-style-type: none"> <li>i. at least two (2) units of the latest generation processor with at least 16-cores, 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666.</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have Internal storage with the following minimum technical specifications: <ul style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> </ul> </li> <li>iv. Network interface card shall have the following: <ul style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ul> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration.</li> <li>• Shall have dual socket and hot swappable power supply.</li> <li>• Maximum of 1U rack space.</li> <li>• Shall have integrated system cooling.</li> <li>• Supports input voltage of 100-240V AC, auto-range.</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit.</li> <li>• Shall have embedded management software for centralized monitoring of all server components.</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server.</li> </ul> |
|  | 3. CBERAMS Storage | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2)x 16GB memory per module/controller</li> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> </ul> </li> </ul>   |

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|                              | <ul style="list-style-type: none"> <li>iv. Shall have at least forty-two (42)x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> <ul style="list-style-type: none"> <li>• Maximum of 5U rack space, rack mountable</li> <li>• Supports input voltage of 100-240V AC auto-range.</li> <li>• Support at least 3 expansion arrays using 12GB SAS interface expansion protocol.</li> <li>• Shall have controller card compatible with iSCSI 4 Port dual controller, 10G SFP+.</li> <li>• Has the capability for asynchronous replication via FC or iSCSI from target/source relationships which may be one-to-many or many-to-one .</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array.</li> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array.</li> </ul> |
| 4. Other Deliverables        | <ul style="list-style-type: none"> <li>• Setup and configuration of all computing devices for the Corporation's Closed Banks' Electronic Records Archive Management System (CBERAMS).</li> <li>• Configure backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation Closed Banks' Electronic Records Archive Management System (Cberams).</li> <li>• Migration/Transferring of all files to the new storage.</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary.</li> </ul>  |
| <b>E. OTHER REQUIREMENTS</b> |  |
| 1. Warranty                  | <ul style="list-style-type: none"> <li>• At least three (3) years for all hardware, software and support components of the Project, which shall commence upon the issuance of the Certificate of Completion and Acceptance of the Project by the Procuring Entity.</li> <li>• Free software updates and upgrades shall be provided for the entire duration of the warranty period to ensure that the system shall be free from any manufacturing defect.</li> </ul>  |
| 2. Maintenance Support       | <ul style="list-style-type: none"> <li>• At least three (3) years provision of maintenance support</li> <li>• Shall provide 8x5 technical assistance to the Systems Administrator of the Procuring Entity to ensure the efficient operation of the system, which shall include: <ul style="list-style-type: none"> <li>i. supply of parts and labor onsite support during office hours (8:30AM - 5:30PM) from Monday to Friday, except during holidays</li> <li>ii. Unlimited email and phone support</li> <li>iii. Online access to support tools</li> </ul> </li> </ul>  |

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|  | <ul style="list-style-type: none"> <li>• Shall provide technical Support/assistance, which include, but not limited, to the following: <ul style="list-style-type: none"> <li>i. proper installation of major and minor software to the latest released version of the software and any subsequent patches/updates/service pack and hot fixes</li> <li>ii. configuration, revision, migration and enhancement of the existing cluster</li> <li>iii. activation of other system features that maybe required for implementation by the Procuring Entity</li> </ul> </li> <li>• In case of any technical problem within the maintenance period, a service engineer should report on-site within four (4) hours after the problem was reported to resolve the problem.</li> <li>• In case of hardware defect within the maintenance period, a service unit of the same or higher specification should be provided by the Supplier, free of charge, if the unit is not repaired within 24 hours after the problem is reported.</li> <li>• At least quarterly preventive maintenance service, which shall include the maintenance activity report/output and recommendations for improvement of the server infrastructure.</li> </ul> |
| 3. Training  | <ul style="list-style-type: none"> <li>• Detailed/in-depth training on System Management and Administration with vendor certification for at least two (2) IT personnel for the proposed HCIA, Backup and Recovery Solution and Storage solution.</li> <li>• Hands-on training/knowledge transfer to all the Procuring Entity's personnel who will be involved in the implementation and operation of the project with output of a comprehensive as-built documents.</li> </ul>  |
| 4. Additional requirements   | <ul style="list-style-type: none"> <li>• All equipment to be supplied and delivered must be compatible with the existing standard IT equipment rack installed in the Data Center.</li> <li>• Shall include the supply, delivery and installation of KVM switching device, mouse/touch pad, monitor and keyboard, if necessary.</li> <li>• Shall include all additional hardware/software components needed to install/connect the Hyper-Converged appliance with the existing PDIC network infrastructure like fiber cables, Power Distribution Units (PDUs)/additional electrical cables, VM management software, etc.</li> </ul>   |
| <p><i>For more detailed requirements of the Project, refer to the Terms of Reference attached in Section VII. – Technical Specification/Terms of Reference of the Philippine Bidding Documents issued/posted for this Project.</i></p> |  |

*Mr. Philip W. G. G. G.*

**Incidental Services –**

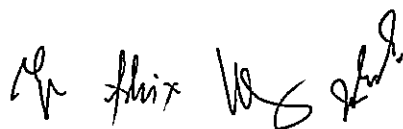
The Supplier shall, to the satisfaction of the Procuring Entity, render any and all assistance necessary towards the successful implementation of the Project, and is required to provide all of the following services, including additional services, if any, specified in Section V- Schedule of Requirements:

- Performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- Furnishing of detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- Performance or supervision or maintenance and/or repair of the supplied Goods during the warranty period;
- Training of the Procuring Entity's personnel, at the Supplier's plant and/or onsite, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods;
- Perform ocular/site inspection of the Procuring Entity's Data Center to properly assess the readiness of the place/location where the system will be installed.
- Assign a dedicated Project Manager, who shall work closely with the PDIC-ITG Project Team, including the users review group, in the planning and implementation of the project;
- Develop the detailed work plans outlining the timetable of activities and responsibilities for confirmation of PDIC through its IT Group;
- Migration of all virtual machines/servers running on the current infrastructure of the Procuring Entity to the new server virtualization environment using the Hyper-Converge Infrastructure Appliance; and
- Provide complete documentations, which includes the user, system and administration manuals of all the project component.

**Transportation –**

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.

The Procuring Entity accepts no liability for the damage of Goods during transit. In the case of Goods supplied from within the Philippines or supplied by domestic Supplier, the risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.



***Delivery Time and Completion Schedule -***

The Supplier shall fully and faithfully perform, undertake, and accomplish to the satisfaction of Procuring Entity the complete and full supply, delivery, installation, configuration, and implementation of the Project in accordance with the following schedule:

- Supply and delivery of all hardware and software components of the Project within 90 calendar days upon receipt of Notice to Proceed (NTP);
- Delivery, setup, implementation, testing and commissioning of the proposed solution, including the required trainings, within 120 calendar days upon receipt of Notice to Proceed (NTP). Detailed activities shall include, but not limited to, the following:
  - Set-up, installation, configuration, testing and commissioning of all hardware and software components;
  - Integration of the new HCIA with the existing HCIA Cluster;
  - Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by the Procuring Entity;
  - Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary;
  - Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary;
  - Migration/Transferring of all files to the new storage
  - Provision of staging area during migration, conversion or transferring, if necessary;
  - Configuration of the unified backup and recovery software and its policy; and
  - Submission of as built document, which include, but not limited to, user manual and system documentations.
- Provide whatever is necessary to ensure successful implementation of the Project.

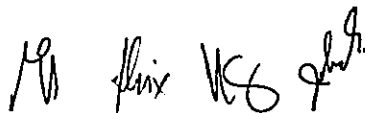
The Procuring Entity, at no additional cost to it, may amend or modify the schedule provided above to align with the construction schedule of the Procuring Entity's Annex Building.

***Intellectual Property Rights -***

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.

***Other Requirements -***

- **Service Standard** - The Supplier shall devote, with utmost efficiency and effectiveness, its skills/ knowledge, undivided attention, and the best of its ability to





the performance/fulfillment of its obligations under this Project in accordance with the best professional standards. The Supplier shall exercise all reasonable skills, care, and diligence in the discharge of its services, and shall always work in the best interests of the Procuring Entity. To this end, the Supplier shall provide such personnel, with the required qualifications and experience, towards the efficient fulfillment of the services herein required.

- **Confidentiality** - The Supplier agrees and acknowledges that the services covered by this Project may expose the Procuring Entity to confidential information and that any disclosure of such information may subject the Procuring Entity to financial, material and operational loss. Therefore, the Supplier hereby agrees as follows:

The Supplier shall protect all confidential information which the Procuring Entity provides to it (whether orally, in writing or in any other form) using the same standards as the Supplier applies to its own comparable confidential information, but in no event less than reasonable measures, and subject to the implementation of appropriate technical, physical, and organizational/administrative measures to protect personal data against accidental or unlawful destruction or accidental loss or unauthorized alteration, disclosure, or access.

The Supplier, or any of its employees, agents, or representatives, shall not, either during the term of this Contract or at any time thereafter, reveal, disclose, or furnish, in any manner, to any person, firm or corporation any information, document, method, design, or material relating to the Procuring Entity, or which otherwise are in the Procuring Entity's possession or custody, which the Supplier or other members of its work staff/team, or its employees, agents, or representatives may have acquired or which came to its/ their knowledge or possession by reason of this Contract.

If any of the Supplier's employees, agents, or representatives, who has previously rendered services to the Procuring Entity, resigned or disengaged from the Supplier during the subsistence of this contract, the Supplier must inform the Procuring Entity of such fact within five (5) calendar days from resignation or disengagement of said employee, agent, or representative. The terms of confidentiality shall apply and bind the resigned or disengaged employee, agents, or representatives of the Supplier who have acquired confidential information by reason of their previous relation with the Supplier. The Supplier shall be liable for damages or injury to the Procuring Entity resulting from disclosure by them of such information, document, method, design, or material.

The Supplier shall comply with the obligations imposed on personal information processor under Section 44(b) of the Implementing Rules and Regulations (IRR) of the Data Privacy Act, and all of the provisions of the Data Privacy Act, its IRR, and circulars issued by the National Privacy Commission pertaining to the processing and retention of personal information subject of this Project, as may be applicable. The Supplier is strictly prohibited from accessing the records, making photocopies

*Mr. Philip K. G. [Signature]*

thereof, or transferring/allowing third parties access thereto without the prior written permission or instruction from the Procuring Entity.

The Supplier shall be liable for any disclosure of confidential information by its employees, agents, or representatives and other violations under the Data Privacy and Bank Secrecy Laws, without prejudice to other legal remedies available to the Procuring Entity.

All data and information related to the Project furnished by the Procuring Entity to the Supplier shall be treated with strict confidentiality and shall be returned to the Procuring Entity upon completion of the works without need of demand. The same shall not be released to third parties without the written consent of the Procuring Entity.

The Supplier agrees to assume sole responsibility and hereby undertakes to indemnify the Procuring Entity, for any damage, which the Procuring Entity may sustain by reason of breach of any of the above conditions.

Nothing in this Contract shall be deemed to limit or restrict the rights of the Procuring Entity to assert any claim for violation/infringement of patent, copyright, trade secrets or other intellectual property rights against the Supplier.

The Supplier and its project staff may be required by the Procuring Entity to sign a confidentiality or non-disclosure agreement.

- **Relation of the Parties** - Subject to the limitation imposed on the Supplier with respect to the replacement of personnel as mentioned above, the Supplier shall be free to use any means and methods not contrary to law, regulations and the provisions and the spirit of this Contract, which it believes will best enable it to perform its obligations under this Contract. The Supplier shall not be subject to the control and supervision of the Procuring Entity insofar as the means and methods to be employed by the Supplier to satisfactorily perform its deliverables under this Contract, it being understood that the Procuring Entity is interested only in the results of the Supplier's performance of its duties and responsibilities under this Contract. The Procuring Entity shall have the exclusive right to decide any and all questions which may arise as to the quality or acceptability of the goods and services delivered/rendered by the Supplier.
- **Event of Default** – The Supplier shall be considered in default in the event that the Supplier or any of its personnel assigned in the Procuring Entity violates or breaches any of the terms and conditions of the Contract, which includes neglecting to perform and deliver in a timely manner any of the goods, service, duties, functions, responsibilities or obligations stipulated herein, or fails for any reason whatsoever to carry out the tasks herein required in a satisfactory and acceptable manner.

In the event of default on the part of the Supplier, the Procuring Entity shall be entitled to the following remedies which it may exercise simultaneously or cumulatively:

*Mr. Hip US Jr.*

- i. Termination of this Contract;
- ii. Claim reimbursement of funds released to the Supplier;
- iii. Claim damages arising from any fraudulent and/or dishonest acts, grossly negligent acts, and/or other similar circumstances; and
- iv. Resort to and adopt such other legal remedies available to it.

- **Retention Right** – The Procuring Entity is hereby given a lien upon any and all monies or other properties of the Supplier which are in the Procuring Entity's possession or with any third party acting on behalf of the Procuring Entity including, but not limited to, those left with the Procuring Entity by or for the account of the Supplier. The Procuring Entity is hereby given the right to retain the same to guarantee the payment or performance of any obligation or liability, contingent or otherwise, on the part of the Supplier under the Contract.

- **Exercise of Rights** –

- i. **Alternative Remedies** – The Procuring Entity shall have the right to exercise alternatively, concurrently or cumulatively all the rights and remedies now or hereafter available under the Contract, such as, but not limited to, the forfeiture of the Supplier's Performance Security, as well as the availment by the Procuring Entity of other remedies under other applicable laws, rules and regulations.
- ii. **Non-Waiver of Rights** – The failure of the Procuring Entity to insist upon the strict performance of any of the terms, conditions and covenants hereof shall not be deemed a relinquishment or waiver of any right or remedy that the Procuring Entity may exercise, nor shall it be construed as a waiver of any subsequent breach or default of the terms, conditions and covenants hereof, which shall continue to be in full force and effect.

No waiver by the Procuring Entity of any of its rights hereunder shall be binding or deemed to have been made unless expressed in writing and signed by the Procuring Entity through its duly authorized agents.

- **Representations and Warranties** –

The Supplier represents and warrants to the Procuring Entity that:

TECHNICAL REPRESENTATIONS

- The hardware and software components supplied for this Project are brand new, unused, of the most recent model, and that they incorporate all recent improvements in design and materials.
- The Supplier represents that the manpower complement that it will assign to the Procuring Entity to handle the Project have the required qualifications, technical skills,

*Mr. Hris V. J. [Signature]*

and knowledge, and that they shall perform their assigned tasks with undivided attention and with utmost efficiency and effectiveness and in accordance with the best professional standards and ethical considerations. Further, the Supplier warrants that it shall exercise all reasonable skill, care and diligence in the discharge of its services, and shall always work to the best interests of the Procuring Entity. To this end, the Supplier shall provide the Procuring Entity with the following personnel: (1) at least two (2) certified personnel for the proposed HClA solution, (2) at least one (1) certified personnel for the proposed Network Switch, (3) at least one (1) certified personnel for the proposed Back up and Recovery solution, (4) at least one (1) certified personnel for the proposed Server, (5) at least one (1) certified personnel for the proposed Storage, and (6) a Project Manager (PM) employed as a regular employee, who shall report onsite during project implementation. The PM must have managed a project of at least 10 million in the last 3 years.

The corresponding curriculum vitae, together with the certificates of employment and trainings, of the required personnel shall be submitted during Post-qualification stage.

- The Supplier shall not replace key personnel without the consent of the Procuring Entity. Key personnel shall be understood to refer to the personnel specified in the Terms of Reference.

The Procuring Entity, however, reserves the right to demand at any time, without need to present proof or substantiate its request, the immediate replacement of any of the Supplier's personnel, staff or representative assigned to the Project who is wanting in competence, honesty, integrity, or whose services is deemed to be or will otherwise be prejudicial to the interest of the Procuring Entity.

Further, the Supplier undertakes that it shall not employ, in any capacity whatsoever, the Procuring Entity's personnel involved in the project. This prohibition shall be enforceable up to a period of two (2) years from the date of acceptance of the project by the Procuring Entity.

- It has full knowledge of the extent of work needed for the successful implementation of the Project; and that, it shall conform strictly with all the terms and conditions of this Contract.

#### LEGAL REPRESENTATIONS

- It is a domestic corporation duly organized and registered, validly existing, and in good standing under the laws of the Republic of the Philippines.
- It has full legal power, authority, and right to carry on its present business. The Supplier further represents that its representative M. \_\_\_\_\_ has full legal

*MR. [Signature]*

power to sign, execute, and deliver this Contract; and that, the Supplier will comply, perform and observe the terms and conditions hereof.

- All corporate and other actions necessary to validate or authorize the execution and delivery of this Contract have been taken.
- It has all the qualifications required in the Terms of Reference, and met all the criteria required to participate in the Project.
- This Contract, when executed and delivered, will be legal, valid, and enforceable in accordance with its terms.
- The Supplier is an authorized reseller of the proposed products/solutions. For this purpose, the Supplier shall issue in favor of the Procuring Entity a certification from the vendor/manufacturer authorizing the Supplier to sell, configure, and support the products, which certificate shall be submitted by the Supplier to the Procuring Entity during the Post-qualification stage.
- The proposed solution is globally acknowledged/recognized in the technology industry by a reputable international organization at least once for the last three (3) years under HCIA, Backup and Recovery Solution and File and Object Storage category. The Supplier shall submit a certification to this effect during post-qualification.
- The continuous use of the Project by the Procuring Entity would not amount to infringement of any patent or copyright therein. For this purpose, the Supplier shall issue in favor of the Procuring Entity a proof of entitlement, which entitlement shall encompass the entire contract /warranty period, whichever comes later.
- To the knowledge of the Supplier, there are no pending or threatened actions or proceedings before any court or administrative agency of any jurisdiction, which may materially or adversely affect the financial condition or operation of the Supplier or the Supplier's ability to comply with the terms and conditions of this Contract.

If the Supplier should thereafter learn of the existence or occurrence of the same, the Supplier undertakes to report such fact to the Procuring Entity within five (5) calendar days therefrom.

Failure to do so shall constitute sufficient ground for the cancellation of this Contract and the enforcement of remedies which the Procuring Entity may exercise under this Contract, pertinent laws, rules, and regulations.

- The obligation of the Supplier under this Contract, and other ancillary documents which may be executed in connection herewith, shall constitute its direct, absolute, and unconditional obligation.

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- In line with Executive Order No. 398, Series of 2005, the Supplier warrants and certifies that it is free and clear of all tax liabilities to the government. Further, it binds itself to pay taxes in full and on time; and that its failure to do so shall entitle the Procuring Entity to suspend payment for any goods and services delivered by the Supplier. Towards this, the Supplier shall regularly present to the Procuring Entity its tax clearance from the Bureau of Internal Revenue (BIR), as well as a copy of its income and business tax returns duly stamped and received by the BIR and duly validated with the tax payments made thereon.

WARRANTIES

- It warrants to the Procuring Entity, in an unconditional, unqualified, absolute, full, and direct manner, the Project against incompatibilities or any defect, hidden, inherent, or otherwise, which would render them unfit for the use for which it is intended, or which would diminish the fitness of its use to the extent that, had the Procuring Entity been aware thereof, it would not have acquired/accepted the same.
- It also warrants to the Procuring Entity, in an unconditional, unqualified, absolute, full, and direct manner, that the Project upon its completion, shall be free from any defects arising from poor design/ workmanship, inferior/substandard materials, or from any negligent act or omission of the Supplier that may develop during the normal use of the same.
- It warrants that, unless authorized in writing by the Procuring Entity, any updates/upgrades, algorithm or code associated with the services provided to the Procuring Entity, regardless if pre-existing or developed for the Procuring Entity, shall:
  - contain no code and/or services, catering for unauthorized functionality, e.g., malware, backdoor, unauthorized remote access to or from the Procuring Entity's Network;
  - not alter, damage, or erase any data or computer programs without control of the authorized person; and
  - contain no key, node lock, time-out, or other functions, whether implemented by electronic, mechanical, or other means, that restricts or may restrict the Procuring Entity's use or access to any programs or data developed relative to the project.
- The acceptance of the Project by the Procuring Entity shall not, at any given time, be deemed a waiver of any causes of action which the Procuring Entity may subsequently exercise by reason of any defect maintenance and support services provided by the Supplier.
- **Miscellaneous Provisions –**
- **Severability –** If any provision of the Contract should, for any reason, be held void or unenforceable, the legality and enforceability of the remaining provisions contained

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herein shall not in any way be affected or impaired, and shall remain in full force and effect.

- **Binding Effect/Assignment of Rights** – The Contract shall be binding upon the Supplier its partners, successors-in-interest, legal representatives and assigns. The foregoing notwithstanding, the Supplier shall not in any way assign, subcontract, or transfer its rights and obligations under the Contract without the written approval of the Procuring Entity.
- **Entire Agreement** – The provisions of this SCC, together with all the documents attached and/or incorporated thereto, and/or referred to therein, constitutes the entire obligation of the parties with respect to the subject matter hereof and shall supersede any prior expression of intent or understanding, whether verbally or in writing, with respect to this transaction.

For this reason, the parties shall endeavor to interpret the various provisions of this SCC and other related Bid Documents in a manner that will render all of those provisions valid and enforceable. In case of conflict between the provisions of the Bid Documents and the provisions laid out in this SCC, the latter shall prevail.

- **Other Documents** – The parties agree to provide further assistance and execute such documents as may be necessary or reasonably desirable to accomplish the intents and purposes of the Contract.
- **Transfer of Location** - The transfer of the principal office of either party to any place, area or building in Metro Manila shall not affect the terms and conditions of the Contract.
- **OGCC Review** – The provisions of this SCC shall be submitted to the Office of the Government Corporate Counsel (OGCC) for its review prior to execution pursuant to Memorandum Circular No. 2018-02 issued by the Governance Commission for Government Owned and Controlled Corporations. Any and all comments of the OGCC as a result of its review shall be deemed incorporated in this SCC, as may be appropriate.
- **Contra Preferentem** – This Contract is not to be interpreted or construed against the interest of the Procuring Entity merely because the latter prepared and drafted the Contract.
- **Dispute Resolution** – In case any dispute or disagreement of any kind whatsoever arises between the Procuring Entity and the Supplier in connection with or arising out of this Contract, the parties shall make every effort to resolve such dispute or disagreement amicably by mutual consultation. During this stage, the parties may seek advice or assistance from their respective experts on any technical or legal issues involving interpretation of the provisions of the contract, delayed completion,

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additional works, quantities, inflation, and other issues. Any negotiated agreement shall be made in writing and properly executed by, or on behalf of, the parties.

If after thirty (30) calendar days, the parties have failed to resolve their dispute or difference by mutual consultation, then either the Procuring Entity or the Supplier may give notice to other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

Any dispute or disagreement in respect of which a notice to commence arbitration has been given in accordance with this Clause shall be settled by arbitration.

Arbitration may be commenced prior to or after the delivery of the services under this Contract.

In the case of a dispute between the Procuring Entity and the Supplier, the dispute shall be resolved in accordance with Republic Act 9285 (RA 9285), otherwise known as the "Alternative Dispute Resolution Act of 2004".

Notwithstanding any reference to arbitration herein, the parties shall perform their respective obligations under the Contract unless they otherwise agree; and the Procuring Entity shall pay the Supplier any monies due the Supplier unless the issue involved will render the Contract void.

- **Attorney's Fee** - In the event that the Procuring Entity is compelled to commence arbitration or to seek judicial relief to enforce the provisions of this Contract, it shall be entitled to attorney's fees and liquidated damages equivalent to ten percent (10%) and fifteen percent (15%), respectively, of the contract price or the amount claimed in the arbitration, whichever is higher, aside from the costs of arbitration or litigation, whichever is applicable, and other expenses incidental thereto.
- **Venue for Suit** - Whenever necessary to promote Arbitration or to seek judicial relief, the Procuring Entity and the Supplier agree that any legal action, suit or proceeding arising out or relating to the Contract may be instituted in any competent court in Makati City, to the exclusion of all other courts of equal jurisdiction.
- **Governing Law and Language** - This Contract shall be interpreted in accordance with the laws of the Republic of the Philippines.

This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract. All correspondence and other documents pertaining to this Contract exchanged by the parties shall be written in English.

- **Notices** - Any notice, request, report, and such other matters related to this Contract which are required or permitted to be given hereunder shall be in writing and shall be

*Mr. Ruiz KC*



personally delivered or transmitted by registered mail with postage prepaid to the parties as follows:

To the Procuring Entity :

To the Supplier :

- **Termination for Convenience and Insolvency.** The Procuring Entity may terminate this Contract, in whole or in part, at any time for its convenience, subject to procedures laid down in 2016 RIRR of R. A No. 9184 on termination of contract, if it has been determined by the Procuring Entity that the continuance of this Contract would be economically, financially or technically impractical and/or unnecessary on the part of the Procuring Entity such as, but not limited to fortuitous event(s), changes in law or the Procuring Entity's or the national government policies.

Further, the Procuring Entity shall terminate this Contract if the Supplier is declared bankrupt or insolvent as determined with finality by a court of competent jurisdiction. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity.

2.2

**Terms of Payment:**

- a. In consideration of the goods and the required services to be provided by the Supplier to the Procuring Entity by reason of this Contract, as well as its compliance with all the terms and conditions of this Contract, the Procuring Entity agrees to pay the Supplier the total amount of \_\_\_\_\_ (Php \_\_\_\_\_), Philippine currency, inclusive of all applicable taxes (EVAT and all other related taxes) and other government mandated fees and other applicable fees and charges, for the execution and completion of the Project, including the incidental services, materials, equipment, accommodation, and operational expenses, and the remedying of any defects therein.
- b. The consideration/contract price referred to above shall be paid through progress billing. Each and every payment herein specified shall be net of any and all amounts required by law or this Contract to be retained or deducted by the Procuring Entity or paid by or charged against the Supplier under the terms of this Project. Payment shall be made according to the following schedule:

*Handwritten signature: Mr. Hino KC Jr.*

| Milestone  | Completion Period                                | % of the Contract Price |
|--|--|-------------------------|
| 1. Delivery of all hardware and software components required for the Project.  | Within 90 calendar days upon issuance of the NTP | 50%                     |
| 2. Setup, Testing, and Commissioning of all hardware and software components, including the completion of the following activities: <ul style="list-style-type: none"> <li>i. Set-up, installation, configuration, testing and commissioning of all hardware and software components</li> <li>ii. Integration of the new HCIA with the existing HCIA Cluster</li> <li>iii. Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>iv. Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>v. Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>vi. Migration/Transferring of all files to the new storage</li> <li>vii. Provision of staging area during migration, conversion or transferring, if necessary</li> <li>viii. Configuration of the unified backup and recovery software and its policy</li> <li>ix. Submission of as built document, which include, but not limited</li> </ul> | Within 120 days upon issuance of NTP             | 50%                     |

*Mr. Alex K. J.*

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| to, user manual and system documentations<br>x. Conduct of required trainings |  |  |
|---|--|--|

- c. Payment shall be made by the Procuring Entity not later than seven (7) working days from receipt of the billing statement, and after issuance by the Procuring Entity of the certificate of completion of the corresponding set of tasks/works/milestone. Completion shall be understood to mean compliance by the Supplier of all of the standards/requirements set by the Procuring Entity for the Project. For purposes of this provision, the Supplier hereby acknowledges that the Procuring Entity shall be the final arbiter on the acceptability and sufficiency of the Supplier's deliverables and completed outputs.
- d. All payments made under this Contract shall be subject to any and all amounts required by law or this Contract to be retained or deducted by the Procuring Entity or paid by or charged against the Supplier under the terms of this Contract, and subject to the Procuring Entity's and government accounting rules and regulations which shall include, among others, the Commission on Audit (COA) Circular No. 2012-001 (Prescribing the Revised Guidelines and Documentary Requirements for Common Government Transaction).
- e. The Procuring Entity, at no additional cost to it, has the option to amend or modify the schedule provided above to align with the construction schedule of the Procuring Entity's Annex Building.
- f. Notwithstanding the issuance of the corresponding certificate of completion mentioned above, no progress/partial/installment payment shall be construed as a waiver or relinquishment of the right of the Procuring Entity to demand the return of any of the payments made by the Procuring Entity to the Supplier by reason of the latter's failure to correct, repair, or remedy any defect discovered and/or which become apparent during the progress of work on the Project or in the event that the Supplier violates or breaches any of the terms and conditions of this Contract.

3.

**Performance Security:**

The performance security posted in favor of the Procuring Entity in the form prescribed by law must be valid, sufficient, and effective for the entire Contract/Project Duration, inclusive of change order/extra work order/variation order, if any. The Supplier shall cause the extension of the validity of the performance security and its sufficiency to cover the approved contract time extension, if any, until the issuance by the Procuring Entity of the certificate of completion of the Project. The Supplier shall furnish the Procuring Entity with the corresponding proof thereof prior to the commencement of the contract time extension/change order/extra work/variation order, as the case may be.

*per this 10/6/18*

The Supplier shall cause the extension of the validity of the performance security to cover the approved contract time extension, if any, and furnish the Procuring Entity with the corresponding proof thereof.

In the event that the performance security posted by the Supplier would be deemed inadequate, unacceptable, or otherwise rendered unenforceable or invalid at any time prior to the issuance of the Certificate of Completion, the Procuring Entity shall have the right to require the Supplier, and the Supplier shall have the obligation, to post another performance security in the form and amount determined by the Procuring Entity and allowed under existing laws and regulations.

If the performance security falls below the minimum amount required at any time prior to the issuance of the certificate of full completion, the Supplier shall post additional performance security to bring it to the required level.

The performance security shall answer for any damage that the Procuring Entity may suffer by reason of the Supplier's default of any of its obligations and/or breach of the terms and conditions of this Contract and shall likewise guarantee payment for any loss, damage, or injury that may be caused by the Supplier to the Procuring Entity, its employees and guests. Any changes made in this Contract shall in no way annul, release or affect the liability of the Supplier and the performance security.

The performance security shall only be released upon the Procuring Entity's issuance of the Certificate of Completion, which Certificate shall be issued only after the Supplier's full and faithful performance of its obligations under this Contract, and subject to the following conditions:

- The Procuring Entity has no claim against the Supplier or the surety company;
- The Procuring Entity has no claim for labor and materials against the Supplier; and
- The Supplier has faithfully and completely performed its obligations under this Project.

The Procuring Entity is hereby given a lien upon any and all monies or other properties of the Supplier, which are in the Procuring Entity's possession or with any third party acting on behalf of the Procuring Entity, including without limitation to those left with the Procuring Entity by or for the account of the Supplier. The Procuring Entity is given the right to retain the same to guarantee the payment or performance of any and all liability of the Supplier under this Project, contingent or otherwise, which the Procuring Entity may be held jointly or solidarily liable.

*Mr. Hinx*

|    |   |
|----|---|
| 4. | <p><b>Inspection and Test:</b></p> <p>The inspections and tests shall be conducted at the Project Site by the Procuring Entity's Information Technology Group to determine whether the output faithfully meets the minimum requirements specified for the Project.</p>  |
| 5. | <p><b>Warranty:</b></p> <p>To assure that defects on the Project shall be corrected by the Supplier, the Supplier shall provide a three (3) year warranty on the Project, reckoned from the date of the issuance by the Procuring Entity of the Certificate of Completion and Acceptance for the Project.</p> <p>To ensure the full and faithful compliance by the Supplier of all the terms and conditions of this Contract as well as to cover for any defects on the Project, a retention money or a special bank guarantee equivalent to at least one percent (1%) of the total amount due to the Supplier shall be deducted/retained or posted in favor of the Procuring Entity by the Supplier.</p> <p>The retention money or the special bank guarantee shall be released to the Supplier only after the Procuring Entity shall have issued a Certificate of Full Acceptance for the Project, which Certificate shall be issued only after one (1) year from issuance of the Certificate of Completion and Acceptance of the Project; and provided, further, that the Project delivered and supplied under this Contract, are free from patent and latent defects, and all conditions imposed under this Contract have been fully met.</p>   |
| C  | <p><b>Liability of the Supplier:</b></p> <p>In the event that the Supplier violates or breaches any of the terms and conditions of the contract, which includes neglecting to perform and deliver within the prescribed period any of the works, duties, functions, responsibilities or obligations stipulated herein, inclusive of the duly granted time extension, if any, or fails for any reason whatsoever to carry out the tasks herein required in a satisfactory and acceptable manner, the Supplier shall be liable in any or all of the following consequences of default:</p> <ul style="list-style-type: none"> <li>a. <b>Forfeiture of Performance Security</b> - The performance security shall be forfeited in favor of the Procuring Entity in the event that the Supplier is in default or breach of its obligations under the contract and shall answer for any loss, damage or injury caused to the Procuring Entity as a result of the willful, unlawful or negligent act or omission of the Supplier or any of the Supplier's representative.</li> <li>b. <b>Liquidated Damages and Penalties</b> – The Supplier shall, without need of demand, be liable for damages for such default and shall pay the Procuring Entity liquidated damages in an amount equivalent to one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion for every day of delay or breach. In the event that the total sum of liquidated damages or the total cost to the Procuring Entity of any such delay or inability by the Supplier to deliver its obligations reaches 10% of the contract price, the Procuring Entity may, at its option, (i) proceed to terminate the contract in accordance with the procedures laid down in Annex I of the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, or (ii) allow the</li> </ul> |

*Mr. Philip [Signature]*

**CONTRACT AGREEMENT**  
**(Procurement of Various IT Equipment for the Expansion of the existing Hyper-Converged Infrastructure Appliance and Other Data Center Support Systems)**

This *Contract Agreement* (hereinafter referred to as the "**Contract**") is made and entered into on this \_\_ day of \_\_\_\_\_, 2024 at \_\_\_\_\_, by and between:

**PHILIPPINE DEPOSIT INSURANCE CORPORATION (PDIC)**, a government instrumentality created and existing by virtue of Republic Act No. 3591, as amended, with principal office address at SSS Bldg., 6782 Ayala Avenue cor. Rufino St., Makati City, Metro Manila, hereinafter referred to as the "**PROCURING ENTITY**", represented herein by its \_\_\_\_\_, \_\_\_\_\_, duly authorized for the purpose of this Contract as evidenced by Board Resolution No. \_\_\_\_\_, attached as **Annex "A"**

- and -

\_\_\_\_\_, a corporation duly organized and existing by virtue of the laws of the Philippines, with principal office address at \_\_\_\_\_, hereinafter referred as the **SUPPLIER**, duly represented herein by its \_\_\_\_\_, \_\_\_\_\_, duly authorized for the purpose of this Contract pursuant to (Special Power of Attorney or Corporate Secretary's Certificate or Board Resolution No. \_\_\_\_\_) \_\_\_\_\_, attached as **Annex "B"**

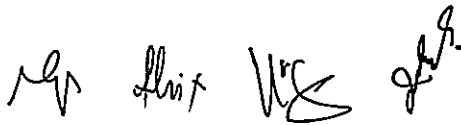
The **PROCURING ENTITY** and the **SUPPLIER** shall be collectively referred to as the "**PARTIES**".

**ANTECEDENTS:**

The **PROCURING ENTITY** needs to procure various IT equipment in order to expand the capacity of its existing Hyper-Converged Infrastructure Appliance (HCIA) as well its Data Support System (hereinafter referred to as the "**Project**");

The Project aims to address the **PROCURING ENTITY**'s increasing need for more computing resources, larger storage capacity, and enhanced bandwidth of the **PROCURING ENTITY**'s internal network.

Towards this, there is a need to expand the capacity of the existing HCIA as well as the **PROCURING ENTITY**'s other Data Support System the in order to implement



a consolidation of its servers. The server consolidation shall provide the **PROCURING ENTITY** with a more efficient computing environment with the capacity to avert a major shutdown of the system. Further, the server consolidation, using a hyper-converged technology, will allow easy integration of the **PROCURING ENTITY's** required computing power, storage, and network in a single equipment or appliance. With a centralized server management feature, the monitoring of the expanded infrastructure will also be integrated with the existing and operational HCIA dashboards.

*(For more detailed requirements of the Project, refer to the Section IV of the Terms of Reference/Technical Specifications.)*

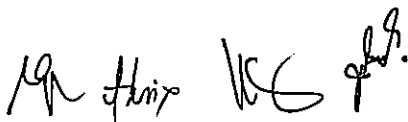
The procurement of the Project was included in the \_\_\_\_\_ PDIC Corporate Operating Budget pursuant to Board Resolution No. \_\_\_\_\_ dated \_\_\_\_\_, and the fund for the approved budget has been allotted, set aside, and made available for the said services, as evidenced by a Certification for Budget and Fund Availability, which is attached as **Annex "C"** of this Contract;

For the procurement of the Project, a public bidding was conducted by the **PROCURING ENTITY** pursuant to the provisions of Republic Act No. 9184 (The Government Procurement Reform Act);

In the public bidding held for the purpose, and after due evaluation and conduct of post-evaluation, the **SUPPLIER's** bid in the amount of **PESOS: \_\_\_\_\_ (Php, \_\_\_\_\_), Philippine currency.** was found to be the Lowest Calculated and Responsive Bid, and offered the most advantageous terms and conditions to the **PROCURING ENTITY**;

**NOW THIS CONTRACT WITNESSETH AS FOLLOWS:**

1. In this Contract, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to below;
2. The following documents attached as **Annex D** of this Contract which are 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 Contract, viz:
  - Philippine Bidding Documents (PBDs);
    - Schedule of Requirements;
    - Technical Specifications;
    - General and Special Conditions of the Contract; and
    - Supplemental or Bid Bulletins, if any.
  - The winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;
  - *Other Bid documents, 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), as well as corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- Performance Security;
- Notice of Award of Contract and the Bidder's conforme thereto; and
- Other contract documents that may be required by existing laws and/or the PE concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for execution or submission after the contract execution, such as the Notice to Proceed, Variation Orders.

3. In consideration of the payments to be made by the **PROCURING ENTITY** to the **SUPPLIER** in the amount of **PESOS:\_\_\_\_\_ (Php. \_\_\_\_\_)**, Philippine currency (hereinafter referred to as the "Contract Price"), the **SUPPLIER** hereby covenants with the **PROCURING ENTITY** to provide the outputs and deliverables as specified in the Technical Specifications/Terms of Reference, General and Special Conditions of the Contract, and to remedy defects therein in accordance with its Bid and under this Contract; and
4. The **PROCURING ENTITY** hereby covenants to pay the **SUPPLIER** in consideration of the services rendered and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract in accordance with the terms of the Bidding.

**IN WITNESS WHEREOF**, the PARTIES have hereunto affixed their signatures on the date and place as stated below their respective signatures.

**PHILIPPINE DEPOSIT  
INSURANCE CORPORATION  
PROCURING ENTITY**

By:

\_\_\_\_\_  
Date: \_\_\_\_\_  
Place: \_\_\_\_\_

*Mr. Hinojosa VCS*



\_\_\_\_\_  
SUPPLIER

By:

\_\_\_\_\_  
Date: \_\_\_\_\_

Place: \_\_\_\_\_

SIGNED IN THE PRESENCE OF:

\_\_\_\_\_

**A C K N O W L E D G E M E N T**

REPUBLIC OF THE PHILIPPINES )  
MAKATI CITY ) S.S

BEFORE ME, a Notary Public, for and in the City of Makati on this \_\_ day of \_\_\_\_\_, 2024, appeared personally the following:

| <u>Name</u> | <u>Government ID Nos.</u> | <u>Date/Place Issued</u> |
|-------------|---------------------------|--------------------------|
|-------------|---------------------------|--------------------------|

PHILIPPINE DEPOSIT  
INSURANCE CORPORATION  
Represented by:

\_\_\_\_\_

Represented by:

\_\_\_\_\_

Known to me and to me known to be the same persons who executed the foregoing instrument and they acknowledged to me that the same is their free and voluntary act and deed as well as the entities they represent, and that they are duly authorized to sign the same.

This instrument refers to a CONTRACT AGREEMENT (Procurement of Various IT Equipment for the Expansion of the Existing Hyper-Converged Infrastructure Appliance and Other Data Center Support Systems) consisting of \_\_\_\_\_ (\_\_\_) pages, including this page where the acknowledgment is written, signed on each and every

MR. [Signature]

page hereof by the parties and their instrumental witnesses and thereafter sealed with my notarial seal.

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

Notary Public

Doc. No. \_\_\_\_\_;  
Page No. \_\_\_\_\_;  
Book No. \_\_\_\_\_;  
Series of 2024.

**CERTIFICATION**

This is to certify that this Contract was reviewed by the Office of the Government Corporate Counsel under Contract Review No. \_\_\_\_, Series of 2024, dated \_\_\_\_\_.

\_\_\_\_\_

*MR. HIRSH V.S. PHD*



## *Section VII. Technical Specifications/Terms of Reference*

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

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

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

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

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

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

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

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

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

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Section VII. -Technical Specifications

| Item | Specification  |   | Statement of Compliance   |
|------|--|---|---|
| 1.   | <p>The Contract covers the supply, delivery, installation, configuration and testing of various IT equipment necessary to expand the capacity of the existing Hyper-Converged Infrastructure Appliance (HCIA) and other Data Center Support Systems of the Procuring Entity (hereinafter referred to as the "Project").</p> <p>Towards this, the Supplier shall, to the satisfaction of the Procuring Entity, supply, deliver, install, configure, and implement Project, with the following specifications/requirements/features:</p> |   | <p>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each</p>   |
|      | Description  | MINIMUM MANDATORY REQUIREMENT   | Specification   |
|      | HYPER-CONVERGED INFRASTRUCTURE APPLIANCE (HCIA)  |   | stating the corresponding performance   |
|      | 1. Scope   | <ul style="list-style-type: none"> <li>Supply, delivery, installation, configuration and testing of three (3) additional HCIA nodes that are compatible with the brand/model of the current HCIA Cluster of the Procuring Entity.</li> </ul>  | parameter of the equipment offered. Statements of "Comply" or "Not Comply"  |
|      | 2. Appliance-type  | <ul style="list-style-type: none"> <li>Hyperconverged Infrastructure Appliance which consists of compute, network, storage and hypervisor (virtualization software) in a single appliance, enclosure or block</li> <li>Shall be compatible with the existing HCIA Cluster of the Procuring Entity, which is currently running using three (3) units of Nutanix NX 8235-G6.</li> </ul>   | must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of  |
|      | 3. Chassis/Block/Node  | <ul style="list-style-type: none"> <li>At least three (3) units with the following technical specifications:                             <ol style="list-style-type: none"> <li>Maximum of 2U, rack mountable (includes the mounting braces)</li> <li>With dual hot swappable power supply</li> <li>With integrated system cooling</li> <li>Input voltage: 100-240V AC auto-range</li> <li>Input frequency: 50-60Hz</li> </ol> </li> <li>Each chassis/block/node shall have the following:                             <ol style="list-style-type: none"> <li>at least dual server-type processor with the following technical specifications:                                     <ol style="list-style-type: none"> <li>at least 16 cores per processor</li> <li>processor frequency of at least 2.4Ghz</li> <li>cache memory of at least 24MB</li> <li>manufactured using 10nm lithography</li> </ol> </li> <li>at least thirty-two (32) memory slots. Twenty-four (24) memory slots/modules shall be installed</li> </ol> </li> </ul> | manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under |

*Mr. Henry [Signature]*

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|--|--|--|---|
|  |  | <p>with at least 64GB 3200MHz DDR4 RDIMM for a total of at least 1536GB RAM</p> <ul style="list-style-type: none"> <li>iii. at least twelve (12) storage bays. Ten (10) storage bays shall be installed with at least 7.64 TB SSD for a total of at least 76.4 TB raw storage capacity</li> <li>iv. at least two (2) network module with two (2) 10G SFP+ ports per module</li> </ul> <ul style="list-style-type: none"> <li>• Shall be compatible with the exiting IT equipment racks installed inside the Procuring Entity's Data Center</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals</li> </ul>  | <p>evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution</p> |
| <ul style="list-style-type: none"> <li>• 4. Virtualization Software</li> </ul> |  | <ul style="list-style-type: none"> <li>• Shall be compatible and integrate seamlessly with the existing HCIA cluster of the Procuring Entity by leveraging on the expand cluster functionality</li> <li>• Shall have the facility to migrate all the VMs currently running on the existing HCIA Cluster to the expanded/upgraded HCIA, if necessary</li> <li>• Shall have facility to convert all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software, if necessary</li> <li>• Shall have the facility to convert existing physical servers to Virtual Machines using the new Virtualization Software, if necessary</li> <li>• Shall be hardware and hypervisor agnostic having no conflict with driver and firmware updates</li> <li>• shall support the following features: <ul style="list-style-type: none"> <li>i. Ensures the lowest possible latency and prevents the network from becoming congested</li> <li>ii. Options of N+1 or N+2 availability for data storage</li> <li>iii. Support both hybrid and all-flash nodes/servers in the same cluster for maximum flexibility</li> <li>iv. Allows administrator to do self-service recovery from the data protection snapshots.</li> <li>v. Unlimited VM's snapshot at storage level</li> <li>vi. Crash and application consistent backup within cluster</li> <li>vii. Deduplication, compression, &amp; erasure coding on both hybrid and all-flash configurations and can independently turn on/off from other workloads running within the cluster</li> <li>viii. Ability to convert cluster from one hypervisor to another on the fly without data movement</li> </ul> </li> </ul> | <p>of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</p>  |

*Handwritten signature/initials*

|         |  |  |  |
|---------|--|--|--|
|         |  | <ul style="list-style-type: none"> <li>ix. Support more than one (1) hypervisors within the same cluster</li> <li>x. Supports various replication topology, such as, but not limited to, site to site (between 2 different hypervisors), hub &amp; spoke, partial mesh, and full mesh</li> <li>xi. Built-in native proactive support tools such as, but not limited to, alerts and "call-home" functionality</li> <li>xii. Native Key Management System for Data at Rest encryption</li> </ul> <ul style="list-style-type: none"> <li>• Shall support Virtual Distributed Switch and Network I/O Control</li> <li>• Shall support use of VLANs to be able to easily create and manage a VNIC Networks for user VMs without any additional host configuration</li> <li>• Shall be capable to segment network traffic using VLAN-based segmentation</li> </ul>   |  |
|         | 5. Management, Automation and Security | <ul style="list-style-type: none"> <li>• Shall support management services for multi-cluster deployments which can be deployed in Highly Availability (HA) configuration</li> <li>• Shall provide visibility of network infrastructure which provides the network layout of both the virtual network layer and physical network diagram from web-based management console</li> <li>• Shall provide a management tool that includes a capacity planning feature to 'right size' expansion to support application growth and addition of new workloads.</li> <li>• Shall provide predictive analysis and capacity behavior for automated optimization</li> <li>• Shall provide proactive remediation for anomaly and bottleneck detection</li> <li>• Shall provide an intuitive, single-point management graphical interface to assist with performance configuration planning, workload balancing, analyzing and optimizing all physical and virtualized storage system performance.</li> <li>• Shall support one (1) click non-disruptive updates (no down time) for the Core Operating System, Hypervisor, disk, and system firmware for both within the cluster and across multiple clusters</li> <li>• shall automatically and constantly keep infrastructure secure via automated checks and self-healing. Logs of all corrective changes shall be retained for audit and review.</li> <li>• shall support Self-Remediating Security Automation, which allows the system to automatically reverts to approved secure state at designated interval</li> </ul> |  |
| 6. stem | 6. File Storage Management System      | <ul style="list-style-type: none"> <li>• Shall support native file storage supporting NFS v3/v4 and SMB 2.0/3.0 for Linux and Windows</li> </ul>   |  |

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|    |                          | <p>OS with unlimited shares integrated with Active directory/LDAP</p> <ul style="list-style-type: none"> <li>• Shall support native scale-up and scale-out distributed architecture file storage with session load balancing functionality for consistent user session</li> <li>• Shall support integrated file storage should support user and group level share quota restriction with hard and soft limit</li> <li>• Shall support integrated files storage shall restrict users to see any other files/folder other than their designated permissible files/folders</li> <li>• Shall handle at least a million IOPS to process I/O-heavy applications, including SAP and database applications, with high throughput, and low latency</li> <li>• Shall supports secure administrative partitions for multi-tenancy requirements</li> <li>• Shall provide thin provisioning of storage resources, deduplication, compression, data replication and mirroring of data in memory caches and buffers, as well as the data stored on solid-state or magnetic disk across storage nodes</li> <li>• Shall include LUN manager, customized volume size, Data Retention Utility, cache residency manager feature, quality of service controls, audit log, command control interface and volume shredder feature.</li> </ul> |  |  |
|    | 7. Additional Components | <ul style="list-style-type: none"> <li>• Shall include the required licenses for the latest version of Microsoft Server as Guest Operating System that supports unlimited Virtual Machines</li> <li>• Shall include all the software and user licenses required to successfully implement the required server virtualization in the expanded HCIA Cluster</li> </ul>   |  |  |
| 8. | 8. Other Deliverables    | <ul style="list-style-type: none"> <li>• Integration of the new HCIA with the existing HCIA Cluster of the Corporation</li> <li>• Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>• Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>• Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>• Migration/Transferring of all files to the new storage</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary</li> <li>• Preparation and submission of as built document, which include, but not limited to, user manual and system documentations</li> </ul>  |  |  |

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|   |                            | <ul style="list-style-type: none"> <li>Other activities necessary to ensure the successful completion and implementation of the proposed solution.</li> </ul>   |  |
|   | <b>B. NETWORK SWITCHES</b> |   |  |
|   | 1. Scope                   | <ul style="list-style-type: none"> <li>Supply, delivery, configuration and testing of two (2) units Network Switches.</li> </ul>  |  |
|   | 2. Compatibility           | <ul style="list-style-type: none"> <li>Shall be compatible in terms of configuration, integration and connectivity with the following Procuring Entity's existing switches: <ul style="list-style-type: none"> <li>a. Aruba 8320</li> <li>b. Aruba 2930F</li> </ul> </li> <li>Any and all compatibility issues with Procuring Entity's existing network switches that entails cost shall be shouldered and resolved by the Supplier</li> </ul>  |  |
|   | 3. Interfaces/Ports        | <ul style="list-style-type: none"> <li>At least forty-eight (48) 25G SFP28 ports</li> <li>At least six (6) 100G QSFP28 ports capable to support the following types of transceivers: <ul style="list-style-type: none"> <li>i. 1G SFP RJ45 100m Cat5e</li> <li>ii. 10G SFP+ RJ45 30m Cat6A</li> <li>iii. 10G SFP+ LC SR 300m MMF</li> <li>iv. 25G SFP28 LC SR 100m MMF</li> </ul> </li> <li>At least one (1) Out-of-band management port</li> <li>At least one (1) USB-C Console Port</li> <li>At least one (1) USB Type-A Host port</li> </ul> |  |
| • | 4. Power Supply            | <ul style="list-style-type: none"> <li>At least two (2) hot swappable redundant power supplies</li> </ul>   |  |
| • | 5. Form Factor             | <ul style="list-style-type: none"> <li>Maximum of 1RU (with standard mounting kit included)</li> </ul>  |  |
| • | 6. Hardware Specifications | <ul style="list-style-type: none"> <li>At least Quad Core 1.8 GHz CPU</li> <li>At least 16 GB RAM</li> <li>At least 32 GB Flash</li> </ul>  |  |
| • | 7. Performance Requirement | <ul style="list-style-type: none"> <li>At least 48Tbps Switching Capacity</li> <li>At least 145,780 IPv4 Host Table</li> <li>At least 145,780 IPv6 Host Table</li> <li>At least 606,977 IPv4 Unicast Routes</li> <li>At least 630,784 IPv6 Unicast Routes</li> <li>At least 7,000 IPv4 Multicast Routes</li> <li>At least 7,000 IPv6 Multicast Routes</li> <li>At least 212,992 MAC Table Capacity</li> </ul>   |  |
| • | 8. Features                | <ul style="list-style-type: none"> <li>Highly available routed environment</li> <li>DHCP and DHCP relay</li> <li>Policy-based Routing</li> <li>Static Routing</li> <li>Quality of Service</li> <li>Equal-Cost Multipath</li> <li>Port Mirroring</li> <li>Access Control List</li> <li>Link Aggregation Control Protocol</li> <li>Supports VXLAN encapsulation protocol for overlay network</li> <li>Built-in programmable and REST API interface</li> </ul>   |  |

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| <ul style="list-style-type: none"> <li>9.</li> </ul> | <p>9. Transceivers</p>                 | <ul style="list-style-type: none"> <li>Supply, delivery and installation of the following:             <ol style="list-style-type: none"> <li>at least twenty (20) units 10G Base-T SFP+ RJ45 transceivers</li> <li>at least sixteen (16) units 1G Base-T SFP RJ45 transceiver</li> <li>at least sixty-four (64) units 10G SFP+ LC SR 300m MMF transceiver</li> <li>at least four (4) units 100G QSFP28 to QSFP28 1m direct attached cable</li> </ol> </li> <li>All transceivers must be of same brand as the proposed Network Switch.</li> </ul>  |  |  |
| <ul style="list-style-type: none"> <li></li> </ul>   | <p>C. BACKUP AND RECOVERY SOLUTION</p> |  |  |  |
| <ul style="list-style-type: none"> <li>1.</li> </ul> | <p>1. Scope</p>                        | <ul style="list-style-type: none"> <li>Supply, delivery, installation, configuration and testing of the Backup and Recovery Software, Backup Server and Storage necessary to support the expanded Server Infrastructure.</li> </ul>  |  |  |
| <ul style="list-style-type: none"> <li>2.</li> </ul> | <p>2. Backup Software</p>              | <ul style="list-style-type: none"> <li>Shall include the required perpetual software licenses for the expanded HCIA capacity regardless of the number of VMs and physical targets.</li> <li>Shall be able to back up NAS and/or SAN storage without any additional license being required</li> <li>Shall be able to back up to tape as secondary copy without any additional license being required</li> <li>Shall be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3 – LTO7)</li> <li>Shall be able to support the following backup operations:             <ol style="list-style-type: none"> <li>Creation of image, file, application and database-based backup of all the target at a specific point in time</li> <li>Disk-To-Disk-To-Tape (D2D2T) architecture</li> <li>Creation of forever forward incremental and forward incremental backup chains per VM</li> <li>Incremental backup on file-level and able to write to backup tapes</li> <li>Supports backup of Microsoft Windows and Linux Servers regardless of the environment (physical or virtual machine)</li> <li>Supports backup of VMware version 6 and/or Nutanix AHV 5.5.x and the latest version of VMs and volume groups</li> <li>Built-in deduplication technology with compression when storing backup on disk to reduce storage requirement for longer term retention</li> </ol> </li> </ul> |  |  |

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|  |  | <p>and further increase storage and save ratio</p> <p>viii. Generation of reports, indicating the results of backup and snapshot activities</p> <ul style="list-style-type: none"> <li>• Shall be able to support the following restoration/recovery operations: <ul style="list-style-type: none"> <li>i. files, folder, database and image level restoration and recovery</li> <li>ii. physical machine restoration to a different or same specification/brand of hardware for supported Windows and Linux Server</li> <li>iii. facility to directly restore to the cloud and other hypervisors</li> <li>iv. supports online restore, recovery using a replicate backup set without the need of interfering with replication process</li> <li>v. perform recovery of VM by starting up VM in production environment, directly from the native backup file</li> <li>vi. automated/scheduled data restoration/recovery during an actual disaster or disaster recovery simulation/testing</li> <li>vii. replicate backup on recovery seamlessly to other location or multiple disaster recovery sites</li> <li>viii. granular recovery of Active Directory object, SQL Database, Oracle Database, Sharepoint &amp; Exchange</li> </ul> </li> <li>• Shall be able to provide advanced monitoring, reporting, capacity planning for both the Virtual and Backup infrastructure.</li> <li>• Shall be able to include built in AES 256-bit encryption, compression and deduplication</li> <li>• capable to provide 24X7 real time performance monitoring by collecting data on an interval that includes all major performance metrics including compute (CPU and RAM), storage and network</li> <li>• shall allow viewing and analysis of historical performance data to understand trends and facilitate troubleshooting.</li> <li>• able to send notification of alarms via customizable email.</li> <li>• able to generate reports that track configuration changes in both the virtual and backup infrastructure including the change location and the user authenticated to perform it.</li> <li>• Ability to generate report to show all protected and unprotected computers including their last backup state for physical workload.</li> </ul> |  |
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*Mr. Chief W. G. J.R.*

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| <ul style="list-style-type: none"> <li>•</li> </ul> | <p>3. Backup Server</p> | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack-mountable server with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least two (2)x 16-cores of the latest generation processor with at least 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have internal storage with the following minimum technical specifications: <ul style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> </ul> </li> <li>iv. Network interface card shall have the following: <ul style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ul> </li> </ul> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration</li> <li>• Shall have dual socket and hot swappable power supply</li> <li>• Maximum of 1U rack space</li> <li>• Shall have integrated system cooling</li> <li>• Supports input voltage of 100-240V AC, auto-range</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit</li> <li>• Shall have embedded management software for centralized monitoring of all server components</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server.</li> </ul> |  |  |
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*Mr. Alvin V. S. Jr.*

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| <ul style="list-style-type: none"> <li>•</li> </ul>          | <p>4. Backup Storage</p>   | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2) x 16GB memory per module/controller</li> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> <li>iv. Shall have at least eight (8) x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> </li> <li>• Maximum of 2U rack space, rack mountable.</li> <li>• Supports input voltage of 100-240V AC auto-range.</li> <li>• Shall support at least three (3) expansion arrays using 12GB SAS interface expansion protocol.</li> <li>• Shall have controller card compatible with iSCSI, with at least four (4)x dual 10G SFP+ port controller.</li> <li>• Has the capability for asynchronous replication via fibre channel (FC) or iSCSI from target/source relationships which may be one-to-many or many-to-one.</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array.</li> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array.</li> </ul> |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul>          | <p>5. Other Deliverables</p>   | <ul style="list-style-type: none"> <li>• At least sixty (60) units of LTO-7 tape media that will be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3).</li> <li>• Setup and configuration of the unified backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation.</li> <li>• Migration/Transferring of all files to the new storage.</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary.</li> </ul>   |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul> <p>A</p> | <p>D. ENTERPRISE SERVER AND STORAGE FOR CLOSED BANKS' ELECTRONIC RECORDS ARCHIVE MANAGEMENT SYSTEM (CBERAMS)</p> |   |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul>          | <p>1. Scope</p>  | <ul style="list-style-type: none"> <li>• Supply, delivery, installation, configuration and testing of The Server and Storage, including other hardware and software components necessary to support the operation of the existing Closed Banks Electronic Records Archive Management System (CBERAMS).</li> </ul>   |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul>          | <p>2. CBERAMS Server</p>   | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack-mountable server with the following technical specifications:</li> </ul>   |  |  |

*Mr. Alvin K. G. [Signature]*

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|   |                    | <ul style="list-style-type: none"> <li>i. at least two (2) units of the latest generation processor with at least 16-cores, 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666.</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have Internal storage with the following minimum technical specifications: <ul style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> </ul> </li> <li>iv. Network interface card shall have the following: <ul style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ul> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration.</li> <li>• Shall have dual socket and hot swappable power supply.</li> <li>• Maximum of 1U rack space.</li> <li>• Shall have integrated system cooling.</li> <li>• Supports input voltage of 100-240V AC, auto-range.</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit.</li> <li>• Shall have embedded management software for centralized monitoring of all server components.</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server.</li> </ul> |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul> | 3. CBERAMS Storage | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2)x 16GB memory per module/controller</li> </ul> </li> </ul>   |  |  |

*Mr. Ali - 106 gph*

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|   |                        | <ul style="list-style-type: none"> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> <li>iv. Shall have at least forty-two (42)x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> <ul style="list-style-type: none"> <li>• Maximum of 5U rack space, rack mountable</li> <li>• Supports input voltage of 100-240V AC auto-range.</li> <li>• Support at least 3 expansion arrays using 12GB SAS interface expansion protocol.</li> <li>• Shall have controller card compatible with iSCSI 4 Port dual controller, 10G SFP+.</li> <li>• Has the capability for asynchronous replication via FC or iSCSI from target/source relationships which may be one-to-many or many-to-one .</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array.</li> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array.</li> </ul> |  |  |
| • | 4. Other Deliverables  | <ul style="list-style-type: none"> <li>• Setup and configuration of all computing devices for the Corporation's Closed Banks' Electronic Records Archive Management System (CBERAMS).</li> <li>• Configure backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation Closed Banks' Electronic Records Archive Management System (Cberams).</li> <li>• Migration/Transferring of all files to the new storage.</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary.</li> </ul>  |  |  |
| • | E. OTHER REQUIREMENTS  |  |  |  |
| • | 1. Warranty            | <ul style="list-style-type: none"> <li>• At least three (3) years for all hardware, software and support components of the Project, which shall commence upon the issuance of the Certificate of Completion and Acceptance of the Project by the Procuring Entity.</li> <li>• Free software updates and upgrades shall be provided for the entire duration of the warranty period to ensure that the system shall be free from any manufacturing defect.</li> </ul>  |  |  |
| • | 2. Maintenance Support | <ul style="list-style-type: none"> <li>• At least three (3) years provision of maintenance support</li> <li>• Shall provide 8x5 technical assistance to the Systems Administrator of the Procuring Entity</li> </ul>   |  |  |



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|   |                    | <p>to ensure the efficient operation of the system, which shall include:</p> <ul style="list-style-type: none"> <li>i. supply of parts and labor onsite support during office hours (8:30AM - 5:30PM) from Monday to Friday, except during holidays</li> <li>ii. Unlimited email and phone support</li> <li>iii. Online access to support tools</li> </ul> <ul style="list-style-type: none"> <li>• Shall provide technical Support/assistance, which include, but not limited, to the following: <ul style="list-style-type: none"> <li>i. proper installation of major and minor software to the latest released version of the software and any subsequent patches/updates/service pack and hot fixes</li> <li>ii. configuration, revision, migration and enhancement of the existing cluster</li> <li>iii. activation of other system features that maybe required for implementation by the Procuring Entity</li> </ul> </li> <li>• In case of any technical problem within the maintenance period, a service engineer should report on-site within four (4) hours after the problem was reported to resolve the problem.</li> <li>• In case of hardware defect within the maintenance period, a service unit of the same or higher specification should be provided by the Supplier, free of charge, if the unit is not repaired within 24 hours after the problem is reported.</li> <li>• At least quarterly preventive maintenance service, which shall include the maintenance activity report/output and recommendations for improvement of the server infrastructure.</li> </ul> |  |  |
| <ul style="list-style-type: none"> <li>•</li> </ul> | <p>3. Training</p> | <ul style="list-style-type: none"> <li>• Detailed/in-depth training on System Management and Administration with vendor certification for at least two (2) IT personnel for the proposed HCIA, Backup and Recovery Solution and Storage solution.</li> <li>• Hands-on training/knowledge transfer to all the Procuring Entity's personnel who will be involved in the implementation and operation of the project with output of a comprehensive as-built documents.</li> </ul>   |  |  |

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| <ul style="list-style-type: none"> <li>4. Additional requirements</li> </ul>  | <ul style="list-style-type: none"> <li>All equipment to be supplied and delivered must be compatible with the existing standard IT equipment rack installed in the Data Center.</li> <li>Shall include the supply, delivery and installation of KVM switching device, mouse/touch pad, monitor and keyboard, if necessary.</li> <li>Shall include all additional hardware/software components needed to install/connect the Hyper-Converged appliance with the existing PDIC network infrastructure like fiber cables, Power Distribution Units (PDUs)/additional electrical cables, VM management software, etc.</li> </ul> |  |
| <p style="text-align: center;"><b>Incidental Services –</b></p> <p>The Supplier shall, to the satisfaction of the Procuring Entity, render any and all assistance necessary towards the successful implementation of the Project, and is required to provide all of the following services, including additional services, if any, specified in Section V-. Schedule of Requirements:</p> <ul 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 detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>Performance or supervision or maintenance and/or repair of the supplied Goods during the warranty period;</li> <li>Training of the Procuring Entity's personnel, at the Supplier's plant and/or onsite, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods;</li> <li>Perform ocular/site inspection of the Procuring Entity's Data Center to properly assess the readiness of the place/location where the system will be installed.</li> <li>Assign a dedicated Project Manager, who shall work closely with the PDIC-ITG Project Team, including the users review group, in the planning and implementation of the project;</li> <li>Develop the detailed work plans outlining the timetable of activities and responsibilities for confirmation of PDIC through its IT Group;</li> <li>Migration of all virtual machines/servers running on the current infrastructure of the Procuring Entity to the new server virtualization environment using the Hyper-Converge Infrastructure Appliance; and</li> <li>Provide complete documentations, which includes the user, system and administration manuals of all the project component.</li> </ul> |  |  |
| <p>For more detailed requirements of the Project, refer to the Terms of Reference attached in Section VII. – Technical Specification/Terms of Reference of the Philippine Bidding Documents issued/posted for this Project.</p>   |  |  |

Submitted by: \_\_\_\_\_

Name and Signature of Authorized Representative

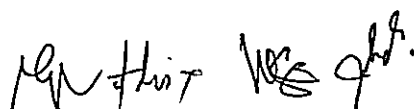
Designation : \_\_\_\_\_

Date : \_\_\_\_\_

Mr. Anirudh W. S. Ph.D.

**TERMS OF REFERENCE FOR THE PROCUREMENT OF THE  
EXPANSION OF EXISTING HYPER-CONVERGED INFRASTRUCTURE APPLIANCE (HCIA) AND  
OTHER DATACENTER SUPPORT SYSTEM (SERVER INFRASTRUCTURE EXPANSION)  
FOR THE PHILIPPINE DEPOSIT INSURANCE CORPORATION**

| Description   | MINIMUM MANDATORY REQUIREMENT  |
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| 1. Approved Budget of the Contract                        | <b>PHP49,000,000.00</b>  |
| 2. Scope  | <ul style="list-style-type: none"> <li>• Supply, delivery, installation, configuration and testing of various IT equipment necessary to expand the capacity of the existing Hyper-Converged Infrastructure Appliance (HCIA) of the Corporation</li> </ul>  |
| <b>A. HYPER-CONVERGED INFRASTRUCTURE APPLIANCE (HCIA)</b> |  |
| 1. Scope  | Supply, delivery, installation, configuration and testing of three (3) additional HCIA nodes that are compatible with the brand/model of the current PDIC HCIA Cluster   |
| 2. Appliance-type   | <ul style="list-style-type: none"> <li>• Hyperconverged Infrastructure Appliance which consists of compute, network, storage and hypervisor (virtualization software) in a single appliance, enclosure or block</li> <li>• Shall be compatible with the existing PDIC HCIA Cluster, which is currently running using three (3) units of Nutanix NX 8235-G6</li> </ul>  |
| 3. Chassis/Block/Node                                     | <ul style="list-style-type: none"> <li>• At least three (3) units with the following technical specifications:               <ol style="list-style-type: none"> <li>i. Maximum of 2U, rack mountable (includes the mounting braces)</li> <li>ii. With dual hot swappable power supply</li> <li>iii. With integrated system cooling</li> <li>iv. Input voltage: 100-240V AC auto-range</li> <li>v. Input frequency: 50-60Hz</li> </ol> </li> <li>• Each chassis/block/node shall have the following:               <ol style="list-style-type: none"> <li>i. at least dual server-type processor with the following technical specifications:                   <ol style="list-style-type: none"> <li>a. at least 16 cores per processor</li> <li>b. processor frequency of at least 2.4Ghz</li> <li>c. cache memory of at least 24MB</li> <li>d. manufactured using 10nm lithography</li> </ol> </li> <li>ii. at least thirty-two (32) memory slots. Twenty-four (24) memory slots/modules shall be installed with at least 64GB 3200MHz DDR4 RDIMM for a total of at least 1536GB RAM</li> <li>iii. at least twelve (12) storage bays. Ten (10) storage bays shall be installed with at least 7.64 TB SSD for a total of at least 76.4 TB raw storage capacity</li> <li>iv. at least two (2) network module with two (2) 10G SFP+ ports per module</li> </ol> </li> <li>• shall be compatible with the exiting IT equipment racks installed inside the PDIC Data Center</li> </ul> |



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|                                   | <ul style="list-style-type: none"> <li>• Shall include all required mounting braces, cables, connectors and peripherals</li> </ul>  |
| <p>4. Virtualization Software</p> | <ul style="list-style-type: none"> <li>• Shall be compatible and integrate seamlessly with the existing HCIA cluster of PDIC by leveraging on the expand cluster functionality</li> <li>• Shall have the facility to migrate all the VMs currently running on the existing HCIA Cluster to the expanded/upgraded HCIA, if necessary</li> <li>• Shall have facility to convert all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software, if necessary</li> <li>• Shall have the facility to convert existing physical servers to Virtual Machines using the new Virtualization Software, if necessary</li> <li>• Shall be hardware and hypervisor agnostic having no conflict with driver and firmware updates</li> <li>• shall support the following features: <ul style="list-style-type: none"> <li>i. Ensures the lowest possible latency and prevents the network from becoming congested</li> <li>ii. Options of N+1 or N+2 availability for data storage</li> <li>iii. Support both hybrid and all-flash nodes/servers in the same cluster for maximum flexibility</li> <li>iv. Allows administrator to do self-service recovery from the data protection snapshots.</li> <li>v. Unlimited VM's snapshot at storage level</li> <li>vi. Crash and application consistent backup within cluster</li> <li>vii. Deduplication, compression, &amp; erasure coding on both hybrid and all-flash configurations and can independently turn on/off from other workloads running within the cluster</li> <li>viii. Ability to convert cluster from one hypervisor to another on the fly without data movement</li> <li>ix. Support more than one (1) hypervisors within the same cluster</li> <li>x. Supports various replication topology, such as, but not limited to, site to site (between 2 different hypervisors), hub &amp; spoke, partial mesh, and full mesh</li> <li>xi. Built-in native proactive support tools such as, but not limited to, alerts and "call-home" functionality</li> <li>xii. Native Key Management System for Data at Rest encryption</li> </ul> </li> <li>• Shall support Virtual Distributed Switch and Network I/O Control</li> <li>• Shall support use of VLANs to be able to easily create and manage a vNIC Networks for user VMs without any additional host configuration</li> <li>• Shall be capable to segment network traffic using VLAN-based segmentation</li> </ul> |

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| <p>5. Management, Automation and Security</p> | <ul style="list-style-type: none"> <li>◦ Shall support management services for multi-cluster deployments which can be deployed in Highly Availability (HA) configuration</li> <li>◦ Shall provide visibility of network infrastructure which provides the network layout of both the virtual network layer and physical network diagram from web-based management console</li> <li>◦ Shall provide a management tool that includes a capacity planning feature to 'right size' expansion to support application growth and addition of new workloads.</li> <li>◦ Shall provide predictive analysis and capacity behavior for automated optimization</li> <li>◦ Shall provide proactive remediation for anomaly and bottleneck detection</li> <li>◦ Shall provide an intuitive, single-point management graphical interface to assist with performance configuration planning, workload balancing, analyzing and optimizing all physical and virtualized storage system performance.</li> <li>◦ Shall support one (1) click non-disruptive updates (no down time) for the Core Operating System, Hypervisor, disk, and system firmware for both within the cluster and across multiple clusters</li> <li>◦ shall automatically and constantly keep infrastructure secure via automated checks and self-healing. Logs of all corrective changes shall be retained for audit and review.</li> <li>◦ shall support Self-Remediating Security Automation, which allows the system to automatically reverts to approved secure state at designated interval</li> </ul> |
| <p>6. File Storage Management System</p>      | <ul style="list-style-type: none"> <li>◦ Shall support native file storage supporting NFS v3/v4 and SMB 2.0/3.0 for Linux and Windows OS with unlimited shares integrated with Active directory/LDAP</li> <li>◦ Shall support native scale-up and scale-out distributed architecture file storage with session load balancing functionality for consistent user session</li> <li>◦ Shall support integrated file storage should support user and group level share quota restriction with hard and soft limit</li> <li>◦ Shall support integrated files storage shall restrict users to see any other files/folder other than their designated permissible files/folders</li> <li>◦ Shall handle at least a million IOPS to process I/O-heavy applications, including SAP and database applications, with high throughput, and low latency</li> <li>◦ Shall supports secure administrative partitions for multi-tenancy requirements</li> <li>◦ Shall provide thin provisioning of storage resources, deduplication, compression, data replication and mirroring of data in memory caches and buffers, as well as the data stored on solid-state or magnetic disk across storage nodes</li> <li>◦ Shall include LUN manager, customized volume size, Data Retention Utility, cache residency manager feature, quality</li> </ul>   |

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|                            | of service controls, audit log, command control interface and volume shredder feature.  |
| 7. Additional Components   | <ul style="list-style-type: none"> <li>• Shall include the required licenses for the latest version of Microsoft Server as Guest Operating System that supports unlimited Virtual Machines</li> <li>• Shall include all the software and user licenses required to successfully implement the required server virtualization in the expanded HCIA Cluster</li> </ul>  |
| 8. Other Deliverables      | <ul style="list-style-type: none"> <li>• Integration of the new HCIA with the existing HCIA Cluster of the Corporation</li> <li>• Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>• Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>• Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>• Migration/Transferring of all files to the new storage</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary</li> <li>• Preparation and submission of as built document, which include, but not limited to, user manual and system documentations</li> <li>• Other activities necessary to ensure the successful completion and implementation of the proposed solution</li> </ul> |
| <b>B. NETWORK SWITCHES</b> |   |
| 1. Scope                   | <ul style="list-style-type: none"> <li>• Supply, delivery, configuration and testing of two (2) units Network Switches</li> </ul>   |
| 2. Compatibility           | <ul style="list-style-type: none"> <li>• Shall be compatible in terms of configuration, integration and connectivity with the following PDIC's existing switches: <ul style="list-style-type: none"> <li>a. Aruba 8320</li> <li>b. Aruba 2930F</li> </ul> </li> <li>• Any and all compatibility issues with PDIC's existing network switches that entails cost shall be shouldered and resolved by the bidder</li> </ul>  |
| 3. Interfaces/Ports        | <ul style="list-style-type: none"> <li>• At least forty-eight (48) 25G SFP28 ports</li> <li>• At least six (6) 100G QSFP28 ports capable to support the following types of transceivers: <ul style="list-style-type: none"> <li>i. 1G SFP RJ45 100m Cat5e</li> <li>ii. 10G SFP+ RJ45 30m Cat6A</li> <li>iii. 10G SFP+ LC SR 300m MMF</li> <li>iv. 25G SFP28 LC SR 100m MMF</li> </ul> </li> <li>• At least one (1) Out-of-band management port</li> <li>• At least one (1) USB-C Console Port</li> <li>• At least one (1) USB Type-A Host port</li> </ul>   |
| 4. Power Supply            | <ul style="list-style-type: none"> <li>• At least two (2) hot swappable redundant power supplies</li> </ul>   |
| 5. Form Factor             | <ul style="list-style-type: none"> <li>• Maximum of 1RU (with standard mounting kit included)</li> </ul>  |

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| 6. Hardware Specifications | <ul style="list-style-type: none"> <li>At least Quad Core 1.8 GHz CPU</li> <li>At least 16 GB RAM</li> <li>At least 32 GB Flash</li> </ul>   |
| 7. Performance Requirement | <ul style="list-style-type: none"> <li>At least 48Tbps Switching Capacity</li> <li>At least 145,780 IPv4 Host Table</li> <li>At least 145,780 IPv6 Host Table</li> <li>At least 606,977 IPv4 Unicast Routes</li> <li>At least 630,784 IPv6 Unicast Routes</li> <li>At least 7,000 IPv4 Multicast Routes</li> <li>At least 7,000 IPv6 Multicast Routes</li> <li>At least 212,992 MAC Table Capacity</li> </ul>  |
| 8. Features                | <ul style="list-style-type: none"> <li>Highly available routed environment</li> <li>DHCP and DHCP relay</li> <li>Policy-based Routing</li> <li>Static Routing</li> <li>Quality of Service</li> <li>Equal-Cost Multipath</li> <li>Port Mirroring</li> <li>Access Control List</li> <li>Link Aggregation Control Protocol</li> <li>Supports VXLAN encapsulation protocol for overlay network</li> <li>Built-in programmable and REST API interface</li> </ul>  |
| 9. Transceivers            | <ul style="list-style-type: none"> <li>Supply, delivery and installation of the following: <ul style="list-style-type: none"> <li>at least twenty (20) units 10G Base-T SFP+ RJ45 transceivers</li> <li>at least sixteen (16) units 1G Base-T SFP RJ45 transceiver</li> <li>at least sixty-four (64) units 10G SFP+ LC SR 300m MMF transceiver</li> <li>at least four (4) units 100G QSFP28 to QSFP28 1m direct attached cable</li> </ul> </li> <li>All transceivers must be of same brand as the proposed Network Switch</li> </ul> |

### C. BACKUP AND RECOVERY SOLUTION

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| 1. Scope           | <ul style="list-style-type: none"> <li>Supply, delivery, installation, configuration and testing of the Backup and Recovery Software, Backup Server and Storage necessary to support the expanded Server Infrastructure</li> </ul>  |
| 2. Backup Software | <ul style="list-style-type: none"> <li>Shall include the required perpetual software licenses for the expanded HCI capacity regardless of the number of VMs and physical targets.</li> <li>Shall be able to back up NAS and/or SAN storage without any additional license being required</li> <li>Shall be able to back up to tape as secondary copy without any additional license being required</li> <li>Shall be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3 – LTO7)</li> <li>Shall be able to support the following backup operations: <ul style="list-style-type: none"> <li>Creation of image, file, application and database-based backup of all the target at a specific point in time</li> <li>Disk-To-Disk-To-Tape (D2D2T) architecture</li> </ul> </li> </ul> |

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|  | <ul style="list-style-type: none"> <li>iii. Creation of forever forward incremental and forward incremental backup chains per VM</li> <li>iv. Incremental backup on file-level and able to write to backup tapes</li> <li>v. Supports backup of Microsoft Windows and Linux Servers regardless of the environment (physical or virtual machine)</li> <li>vi. Supports backup of VMware version 6 and/or Nutanix AHV 5.5.x and the latest version of VMs and volume groups</li> <li>vii. Built-in deduplication technology with compression when storing backup on disk to reduce storage requirement for longer term retention and further increase storage and save ratio</li> <li>viii. Generation of reports, indicating the results of backup and snapshot activities</li> <li>• Shall be able to support the following restoration/recovery operations: <ul style="list-style-type: none"> <li>i. files, folder, database and image level restoration and recovery</li> <li>ii. physical machine restoration to a different or same specification/brand of hardware for supported Windows and Linux Server</li> <li>iii. facility to directly restore to the cloud and other hypervisors</li> <li>iv. supports online restore, recovery using a replicate backup set without the need of interfering with replication process</li> <li>v. perform recovery of VM by starting up VM in production environment, directly from the native backup file</li> <li>vi. automated/scheduled data restoration/recovery during an actual disaster or disaster recovery simulation/testing</li> <li>vii. replicate backup on recovery seamlessly to other location or multiple disaster recovery sites</li> <li>viii. granular recovery of Active Directory object, SQL Database, Oracle Database, Sharepoint &amp; Exchange</li> </ul> </li> <li>• Shall be able to provide advanced monitoring, reporting, capacity planning for both the Virtual and Backup infrastructure.</li> <li>• Shall be able to include built in AES 256-bit encryption, compression and deduplication</li> <li>• capable to provide 24X7 real time performance monitoring by collecting data on an interval that includes all major performance metrics including compute (CPU and RAM), storage and network</li> <li>• shall allow viewing and analysis of historical performance data to understand trends and facilitate troubleshooting.</li> <li>• able to send notification of alarms via customizable email.</li> <li>• able to generate reports that track configuration changes in both the virtual and backup infrastructure including the change location and the user authenticated to perform it</li> </ul> |
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|                  | <ul style="list-style-type: none"> <li>• Ability to generate report to show all protected and unprotected computers including their last backup state for physical workload</li> </ul>  |
| 3. Backup Server | <ul style="list-style-type: none"> <li>• at least one (1) unit of rack-mountable server with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least two (2)x 16-cores of the latest generation processor with at least 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have Internal storage with the following minimum technical specifications: <ul style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> </ul> </li> <li>iv. Network interface card shall have the following: <ul style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ul> </li> </ul> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration</li> <li>• Shall have dual socket and hot swappable power supply</li> <li>• Maximum of 1U rack space</li> <li>• Shall have integrated system cooling</li> <li>• Supports input voltage of 100-240V AC, auto-range</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit</li> <li>• Shall have embedded management software for centralized monitoring of all server components</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server</li> </ul> |

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| 4. Backup Storage  | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2) x 16GB memory per module/controller</li> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> <li>iv. Shall have at least eight (8) x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> </li> <li>• Maximum of 2U rack space, rack mountable</li> <li>• Supports input voltage of 100-240V AC auto-range</li> <li>• Shall support at least three (3) expansion arrays using 12GB SAS interface expansion protocol</li> <li>• Shall have controller card compatible with iSCSI, with at least four (4)x dual 10G SFP+ port controller,</li> <li>• Has the capability for asynchronous replication via fibre channel (FC) or iSCSI from target/source relationships which may be one-to-many or many-to-one</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array</li> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array</li> </ul> |
| 5. Other Deliverables  | <ul style="list-style-type: none"> <li>• At least sixty (60) units of LTO-7 tape media that will be compatible with the existing Tape Library of the Corporation (Quantum Scalar i3)</li> <li>• Setup and configuration of the unified backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation</li> <li>• Migration/Transferring of all files to the new storage</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary</li> </ul>   |
| <b>D. ENTERPRISE SERVER AND STORAGE FOR CLOSED BANKS' ELECTRONIC RECORDS ARCHIVE MANAGEMENT SYSTEM (CBERAMS)</b> |   |
| 1. Scope   | <ul style="list-style-type: none"> <li>• Supply, delivery, installation, configuration and testing of The Server and Storage, including other hardware and software components necessary to support the operation of the existing Closed Banks Electronic Records Archive Management System (CBERAMS)</li> </ul>  |
| 2. CBERAMS Server  | <ul style="list-style-type: none"> <li>• at least one (1) unit of rack-mountable server with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least two (2) units of the latest generation processor with at least 16-cores, 32 threads, frequency of at least 2.4Ghz and cache memory of at least 24MB DDR4-2666</li> <li>ii. at least four (4) x 16GB 3200MT/s RDIMM, DDR4 memory modules; with expansion capacity for at least four (4) additional memory modules</li> <li>iii. shall have Internal storage with the following minimum technical specifications:</li> </ul> </li> </ul>  |

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|                    | <ul style="list-style-type: none"> <li>a. at least two (2) x 480GB 6Gbps SSD SATA, configured at RAID 1 for the installation of the OS</li> <li>b. at least three (3) x 2.4TB HDD SATA, configured at RAID 5</li> <li>c. has capacity for at least twelve (12) storage bays for 2.5" Hard Disk Drives (HDDs)</li> <li>d. Shall be hot-swappable HDDs</li> <li>iv. Network interface card shall have the following: <ul style="list-style-type: none"> <li>a. At least two (2) units of 10G SFP+ Dual Port</li> <li>b. At least two (2) units of 1gb Base-T Dual Port</li> <li>c. At least one (1) unit of 16GB Fibre Channel HBA Dual Port</li> <li>d. Shall be compatible with the existing top-of-rack of PDIC</li> </ul> </li> <li>• Shall have integrated RAID Controller, with at least 1GB Cache and can support RAID 1 and 5 Configuration</li> <li>• Shall have dual socket and hot swappable power supply</li> <li>• Maximum of 1U rack space</li> <li>• Shall have integrated system cooling</li> <li>• Supports input voltage of 100-240V AC, auto-range</li> <li>• Shall include the software license for Windows Server 2022 Operating System or later version, including the 5-packs of Windows User CALs and media kit</li> <li>• Shall have embedded management software for centralized monitoring of all server components</li> <li>• Shall include all required mounting braces, cables, connectors and peripherals necessary to configure and setup the server</li> </ul> |
| 3. CBERAMS Storage | <ul style="list-style-type: none"> <li>• At least one (1) unit of rack mountable storage with the following technical specifications: <ul style="list-style-type: none"> <li>i. at least latest generation Intel Xeon processor</li> <li>ii. at least two (2)x 16GB memory per module/controller</li> <li>iii. Shall have at least twelve (12) storage bay that supports both 2.5" and 3.5" hot-swappable HDDs</li> <li>iv. Shall have at least forty-two (42)x 20TB HDD SATA on RAID 6 configuration</li> <li>v. Shall have dual controller and hot swappable power supply unit (PSU)</li> </ul> </li> <li>• Maximum of 5U rack space, rack mountable</li> <li>• Supports input voltage of 100-240V AC auto-range</li> <li>• Support at least 3 expansion arrays using 12GB SAS interface expansion protocol</li> <li>• Shall have controller card compatible with iSCSI 4 Port dual controller, 10G SFP+</li> <li>• Has the capability for asynchronous replication via FC or iSCSI from target/source relationships which may be one-to-many or many-to-one</li> <li>• Shall have disk controller that supports RAID 1, 5, 6, 10, or any combination of RAID levels in the single array</li> </ul>   |

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|                       | <ul style="list-style-type: none"> <li>• Shall be capable of thin provisioning and snapshots with 1024 maximum re-direct-on-write snapshots per array</li> </ul>  |
| 6. Other Deliverables | <ul style="list-style-type: none"> <li>• Setup and configuration of all computing devices for the Corporation's Closed Banks' Electronic Records Archive Management System (CBERAMS)</li> <li>• Configure backup and recovery software and the necessary policies to operationalize the backup and recovery requirements of the Corporation Closed Banks' Electronic Records Archive Management System (Cberams)</li> <li>• Migration/Transferring of all files to the new storage</li> <li>• Provision of staging area during migration, conversion or transferring, if necessary</li> </ul> |

**E. OTHER REQUIREMENTS**

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| 1. Bidder's Qualification | <ul style="list-style-type: none"> <li>• Bidder must be an authorized reseller of the proposed products/solutions under (1) HCIA, (2) Network Switch, (3) Backup and Recovery Solution, (4) Server and (5) Storage. A certification from the manufacturer/vendor authorizing the bidder to sell, configure and support such product shall be submitted during post-qualification.</li> <li>• Shall have one (1) Project Manager, who will be assigned for the implementation of this project until its completion. The Project Manager shall meet the following qualifications: <ul style="list-style-type: none"> <li>i. employed with the bidder for at least one (1) year before the bid opening</li> <li>ii. has managed at least two (2) project implementations with a contract price of at least PHP10Million in the last three (3) years</li> </ul> </li> <li>• The name of the Project Manager, certificate of employment and the list of projects managed in the last three (3) years (must indicate the Project Name, Contract Amount, Start Date of the Project, End Date of the Project, Customer Name and Contact Person &amp; Details) shall be submitted during post-qualification.</li> <li>• Shall have locally employed personnel trained for the installation, implementation, administration and maintenance of the following: <ul style="list-style-type: none"> <li>i. At least two (2) certified personnel for the proposed HCIA solution</li> <li>ii. At least one (1) certified personnel for the proposed Network Switch,</li> <li>iii. At least one (1) certified personnel for the proposed Backup and Recovery Solution</li> <li>iv. At least one (1) certified personnel for the proposed Servers</li> <li>v. At least one (1) certified personnel for the proposed Storage</li> </ul> </li> <li>• The names of the personnel, vendor certification or verified online badge of trainings and certificate of employment shall be submitted during post-qualification.</li> <li>• Bidder must submit a certification that their proposed solution is globally acknowledged/recognized in technology industry by a reputable international</li> </ul> |
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|                    | <p>organization at least once for the last three (3) years under HCIA, Backup and Recovery Solution and File and Object Storage category which shall be submitted during post-qualification</p>   |
| <p>2. Delivery</p> | <ul style="list-style-type: none"> <li>• Perform ocular/site inspection of the PDIC Data Center to properly assess the readiness of the place/location where the system will be installed</li> <li>• Delivery of all hardware and software components shall be within 90 calendar days upon receipt of Notice to Proceed (NTP)</li> <li>• Delivery, setup, implementation, testing and commissioning of the proposed solution, including the required trainings, shall be within 120 calendar days upon receipt of Notice to Proceed (NTP). Detailed activities shall include, but not limited to, the following: <ul style="list-style-type: none"> <li>i. Set-up, installation, configuration, testing and commissioning of all hardware and software components</li> <li>ii. Integration of the new HCIA with the existing HCIA Cluster</li> <li>iii. Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>iv. Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>v. Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>vi. Migration/Transferring of all files to the new storage</li> <li>vii. Provision of staging area during migration, conversion or transferring, if necessary</li> <li>viii. Configuration of the unified backup and recovery software and its policy</li> <li>ix. Submission of as built document, which include, but not limited to, user manual and system documentations</li> </ul> </li> <li>• Shall provide whatever is necessary to ensure that the system/solution will be properly installed and working as specified in the TOR</li> </ul> |
| <p>3. Warranty</p> | <ul style="list-style-type: none"> <li>• At least three (3) years for all hardware, software and support components of the project, which shall commence upon the issuance of the Certificate of Acceptance and Completion of the Project by PDIC</li> <li>• Free software updates and upgrades shall be provided for the duration of the warranty period to ensure that the system shall be free from any manufacturing defect</li> <li>• Warranty security in the form of retention money or special bank guarantee equivalent to at least one percent (1%) of the total amount due to the Contractor shall be deducted/retained or posted by in favor of the Procuring Entity</li> </ul>   |

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|                                   |  |
|-----------------------------------|--|
| <p>4. Maintenance Support</p>     | <ul style="list-style-type: none"> <li>• At least three (3) years provision of maintenance support</li> <li>• Shall provide 8x5 technical assistance to the Systems Administrator of PDIC to ensure the efficient operation of the system, which shall include: <ul style="list-style-type: none"> <li>i. supply of parts and labor onsite support during office hours (8:30AM - 5:30PM) from Monday to Friday, except during holidays</li> <li>ii. Unlimited email and phone support</li> <li>iii. Online access to support tools</li> </ul> </li> <li>• Shall provide technical Support/assistance, which include, but not limited, to the following: <ul style="list-style-type: none"> <li>i. proper installation of major and minor software to the latest released version of the software and any subsequent patches/updates/service pack and hot fixes</li> <li>ii. configuration, revision, migration and enhancement of the existing cluster</li> <li>iii. activation of other system features that maybe required for implementation by PDIC</li> </ul> </li> <li>• In case of any technical problem within the maintenance period, a service engineer should report on-site within four (4) hours after the problem was reported to resolve the problem.</li> <li>• In case of hardware defect within the maintenance period, a service unit of the same or higher specification should be provided by the supplier, free of charge, if the unit is not repaired within 24 hours after the problem is reported.</li> <li>• At least quarterly preventive maintenance service, which shall include the maintenance activity report/output and recommendations for improvement of the server infrastructure</li> </ul> |
| <p>5. Training</p>                | <ul style="list-style-type: none"> <li>• Detailed/in-depth training on System Management and Administration with vendor certification for at least two (2) IT personnel for the proposed HClA, Backup and Recovery Solution and Storage solution.</li> <li>• Hands-on training/knowledge transfer to all PDIC personnel who will be involved in the implementation and operation of the project with output of a comprehensive as-built documents.</li> </ul>  |
| <p>6. Additional requirements</p> | <ul style="list-style-type: none"> <li>• All equipment to be supplied and delivered must be compatible with the existing standard IT equipment rack installed in the Data Center</li> <li>• Shall include the supply, delivery and installation of KVM switching device, mouse/touch pad, monitor and keyboard, if necessary</li> <li>• Shall include all additional hardware/software components needed to install/connect the Hyper-Converged appliance with the existing PDIC network infrastructure like fiber cables, Power Distribution Units (PDUs)/additional electrical cables, VM management software, etc.</li> </ul>   |

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**OTHER RESPONSIBILITIES OF THE VENDOR**

- a. The Vendor shall assign a dedicated Project Manager, who shall work closely with the PDIC-ITG Project Team, including the users review group, in the planning and implementation of the project.
- b. The Vendor shall develop the detailed work plans outlining the timetable of activities and responsibilities for confirmation of PDIC through its IT Group.
- c. The Vendor shall ensure that all virtual machines/servers running on the current infrastructure of PDIC shall be migrated to the new server virtualization environment using the Hyper-Converge Infrastructure Appliance
- d. The Vendors shall conduct an ocular/site visit to the PDIC Data Center in order to assess the readiness of the place/location where the virtual servers will be installed/configured.
- e. The Vendor shall provide complete documentations, which includes the user, system and administration manuals of all the project component.
- f. The Vendor must ensure the supply, delivery and installation of other IT equipment/peripherals necessary to completely implement the Virtual Server Project
- g. The Vendor shall ensure that their bid will be inclusive of all materials necessary to complete the installation, testing and commissioning/ implementation of the project.

**PROJECT MILESTONES and SCHEDULE OF PAYMENT**

The payment schedule shall be based on the progress or completion of the milestones of the project indicated in the following table:

| Milestone   | Target Completion                                  | Progress Billing  |
|---|--|---|
| 1. Delivery of all hardware and software components specified in the TOR.   | Within 90 days upon issuance of Notice to Proceed  | 50% of the Total Cost of the Project indicated in the Bid Proposal upon issuance of Certificate of Acceptance of all Hardware and Software Components |
| 2. Setup, Testing and Commissioning of all hardware and software components, including the following activities:<br><ul style="list-style-type: none"> <li>i. Set-up, installation, configuration, testing and commissioning of all hardware and software components</li> </ul> | Within 120 days upon issuance of Notice to Proceed | Remaining 50% of the Total Cost of the Project indicated in the Bid Proposal upon issuance of Certificate of Acceptance and                           |

*Handwritten signature: MR. ALIX W. JR.*



|   |  |                                  |
|---|--|----------------------------------|
| <ul style="list-style-type: none"> <li>ii. Integration of the new HCIA with the existing HCIA Cluster</li> <li>iii. Migration of all existing Virtual Machines (VMs) in the existing HCIA Cluster to the expanded/upgraded HCIA depending on the assigned VLAN segment that will be provided by PDIC</li> <li>iv. Conversion of all Virtual Machines currently running on ESXi version 4 to the new Virtualization Software (Hypervisor), if necessary</li> <li>v. Conversion of Physical Servers to Virtual Machines using the new Virtualization Software (Hypervisor), if necessary</li> <li>vi. Migration/Transferring of all files to the new storage</li> <li>vii. Provision of staging area during migration, conversion or transferring, if necessary</li> <li>viii. Configuration of the unified backup and recovery software and its policy</li> <li>ix. Submission of as built document, which include, but not limited to, user manual and system documentations</li> <li>x. Conduct of required trainings</li> </ul> |  | <p>Completion of the Project</p> |
|---|--|----------------------------------|

*MR. [Signature]*

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

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

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

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

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

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# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) issued pursuant to GPPB Resolution No 15-2021; /

#### 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. If the prospective bidder does not have any ongoing government and private contracts as required above, the prospective bidder has to make a similar declaration on the absence of any ongoing government and private contracts; 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 (Copy attached). /

The two statements required shall indicate for each contract the following:

- (i) name of the contract;
- (ii) date of the contract;
- (iii) contract duration;
- (iv) owner's name and address;
- (v) kinds of Goods;
- (vi) For Statement of Ongoing Contracts - amount of contract and value of outstanding contracts;
- (vii) For Statement of SLCC - amount of completed contracts date of delivery; and
- (viii) end user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements; 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
- (e) Original copy of Notarized Bid Securing Declaration (Copy attached); and /
- (f) Conformity with the Technical Specifications, which may include, /

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production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and

- (g) Original duly signed Omnibus Sworn Statement (OSS) [Copy attached]; 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

- (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. /

Each partner of the joint venture shall submit the required legal eligibility documents stated herein, including the required post qualification documents. The submission of the technical and financial eligibility documents by any of the joint venture partners constitute compliance: Provided, that the Partner responsible to submit the NFCC shall likewise submit the Statement of all its ongoing contracts and Audited Financial Statements.

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. /

**25 FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form (Copy attached); and /
- (b) Original of duly signed and accomplished Price Schedule[s] (Copy attached), /

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## Bid Securing Declaration Form

*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

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

### BID SECURING DECLARATION Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, 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 procurement 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 No. 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; and
  - 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]*.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*  
Affiant

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

*[Handwritten signatures and initials]*

# 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

*[Handwritten signatures and initials]*

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; and
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.

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*  
Affiant

***[Jurat]***

*[Format shall be based on the latest Rules on Notarial Practice]*

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**Bid Form for the Procurement of Goods**  
*[shall be submitted with the Bid]*

**BID FORM**

Date : \_\_\_\_\_  
Project Identification No. : \_\_\_\_\_

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules.

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

*[Insert this paragraph if Foreign-Assisted Project with the Development Partner:*

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

| Name and address of agent | Currency | Amount and Purpose of Commission or gratuity |
|---------------------------|----------|--|
|---------------------------|----------|--|

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |

(if none, state "None") ]

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 pursuant to the PBDs.

*[Handwritten signatures and initials]*

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

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.

Name: \_\_\_\_\_

Legal capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

*Handwritten signatures and initials at the bottom of the page.*

**Price Schedule for Goods Offered from Abroad**  
*[shall be submitted with the Bid if bidder is offering goods from Abroad]*

**For Goods Offered from Abroad**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

| 1    | 2           | 3                 | 4        | 5  | 6   | 7                                      | 8                                    | 9                                     |
|------|-------------|-------------------|----------|--|---|--|--------------------------------------|---------------------------------------|
| Item | Description | Country of origin | Quantity | Unit price CIF port of entry (specify port) or CIP named place<br><br>(specify border point or place of destination) | Total CIF or CIP price per item<br><br>(col. 4 x 5) | Unit Price Delivered Duty Unpaid (DDU) | Unit price Delivered Duty Paid (DDP) | Total Price delivered DDP (col 4 x 8) |
|      |             |                   |          |  |   |  |                                      |                                       |

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

*[Handwritten signatures and initials at the bottom of the page]*

**Price Schedule for Goods Offered from Within the Philippines**  
*[shall be submitted with the Bid if bidder is offering goods from within the Philippines]*

**For Goods Offered from Within the Philippines**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ 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 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<br>(col 5+6+7+8) | Total Price delivered Final Destination<br>(col 9) x (col 4) |
|      |             |                   |          |                         |   |  |  |  |  |

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

*Handwritten signatures and notes at the bottom of the page.*

Republic of the Philippines



Government Procurement Policy Board