

PHILIPPINE BIDDING DOCUMENTS

Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office

Government of the Republic of the Philippines

Bidding No. 22-023 16 September 2022

Table of Contents

Gloss	ary of Acronyms, Terms, and Abbreviations	2
Sectio	on I. Invitation to Bid	5
	on II. Instructions to Bidders	
1.	Scope of Bid	8
2.	Funding Information	8
3.	Bidding Requirements	8
4.	Corrupt, Fraudulent, Collusive, and Coercive Practices	8
5.	Eligible Bidders	9
6.	Origin of Goods	9
7.	Subcontracts	9
8.	Pre-Bid Conference	10
9.	Clarification and Amendment of Bidding Documents	10
10.	Documents comprising the Bid: Eligibility and Technical Components	10
11.	Documents comprising the Bid: Financial Component	10
12.	Bid Prices	11
13.	Bid and Payment Currencies	
14.	Bid Security	
15.	Sealing and Marking of Bids	
16.	Deadline for Submission of Bids	
17.	Opening and Preliminary Examination of Bids	
18.	Domestic Preference	
19.	Detailed Evaluation and Comparison of Bids	
20.	Post-Qualification	
21.	Signing of the Contract	
Sectio	on III. Bid Data Sheet	14
Sectio	on IV. General Conditions of Contract	16
1.	Scope of Contract	16
2.	Advance Payment and Terms of Payment	16
3.	Performance Security	16
4.	Inspection and Tests	
5.	Warranty	17
6.	Liability of the Supplier	
Sectio	on V. Special Conditions of Contract	18
Sectio	on VI. Schedule of Requirements	22
Sectio	on VII. Technical Specifications	23
Sectio	on VIII. Checklist of Technical and Financial Documents	32

Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.



Section I. Invitation to Bid

Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office

- The Department of Trade and Industry, through the General Appropriation Act for CY 2022 and/or continuing appropriations intends to apply the sum of Twenty-Four Million Six Hundred Fifty Thousand Pesos (PhP24,650,000.00) below being the ABC to payments under the contract Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office (Bidding No. 22-023). Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Department of Trade and Industry now invites bids for the Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry Head Office (Bidding No. 22-023). The Goods and Services must be completed within sixty (60) calendar days. Bidders should have completed, within seven (7) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
- 3. Bidding will be conducted through open competitive bidding procedures using a non- discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

- 4. Prospective Bidders may obtain further information from Department of Trade and Industry and inspect the Bidding Documents at the address given below during office hours from 8 A.M. to 5 P.M., Monday to Friday.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on **19 September 2022** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Twenty-Five Thousand Pesos** (**PhP25,000.00**) for ABC amounting to more than PhP10,000,000.00 up to PhP50,000,000.00. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or via electronic mail.

- 6. The Department of Trade and Industry will hold a Pre-Bid Conference on **26 September 2022, 9:30 A.M.** through video conferencing or webcasting via Zoom, which shall be open to prospective bidders. Zoom Meeting link is contained in Section III (Bid Data Sheet).
- 7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before **9** A.M. of **10** October **2022.** Late bids shall not be accepted.
- 8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
- 9. Bid opening shall be on **10 October 2022, 9:30 A.M.** at the Center Conference Room, Trade & Industry Building, 361 Sen. Gil Puyat Avenue, Makati City and/or via Zoom. Zoom Meeting link is contained in Section III (Bid Data Sheet). Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 10. The bidders may submit their bids in any of the following form:
 - 10.1. Physical submission of the documents on the address stated below; or
 - 10.2. Electronic submission of bids with the following guidelines:
 - 10.2.1. The Bidder shall submit three (3) set of files of the same documents in PDF format, NOT EDITABLE, with different individual password before the set deadline. The Encryption Key and Password shall be submitted during the opening of the bids of the concerned bidder.
 - 10.2.2. The Bidder shall have the full responsibility on securing the files submitted are not corrupted. The DTI-BAC shall have three (3) attempts to open the submitted files.
 - If the first file was successfully opened, the two (2) remaining files shall be disregarded.
 - If the first file was corrupted, the DTI-BAC shall open the second file. If the second file was successfully opened, the first and third file shall be disregarded.
 - If the first and second file were corrupted, the third file shall be opened.
 - If the third file was corrupted, the bidder shall be automatically disqualified.
- 11. The Department of Trade and Industry reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 12. For further information, please refer to:

Mary Ann D. Yulas

Assistant Chief, Procurement Management Division Human Resource and Administrative Service Department of Trade and Industry G/F, Trade and Industry Building 361 Sen. Gil Puyat Avenue, Makati City Tel. No: +63 (2) 7791-3363/3367, Fax No: +63 (2) 895-3515 Email: <u>MaryAnnYulas@dti.gov.ph</u> Website: <u>www.dti.gov.ph</u>

13. You may visit the following websites:

For downloading of Bidding Documents: <u>https://notices.philgeps.gov.ph/</u> <u>https://www.dti.gov.ph/good-governance-program/transparency-</u> <u>seal/bac-resources/</u>

For online bid submission:

BACSecretariat@dti.gov.ph

16 September 2022

SGD. ATTY. ANN CLAIRE C. CABOCHAN, CESO II Assistant Secretary Chairperson DTI-Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Department of Trade and Industry, wishes to receive Bids for the **Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office** with identification number 22-023.

The Procurement Project (referred to herein as "Project") is composed of one (1) lot, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- a. The GOP through the source of funding as indicated below for 2022 in the amount of Twenty-Four Million Six Hundred Fifty Thousand Pesos (PhP24,650,000.00).
- b. The source of funding is NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

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

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that Subcontracting is not allowed.

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 seven (7) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in Section VIII (Checklist of Technical and Financial Documents).
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - b. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, exwarehouse, 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 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 **one hundred twenty (120) calendar days**. Any Bid not accompanied by an acceptable bid security shall be rejected

by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII** (**Technical Specifications**), although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

One Project having several items that shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated.

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be:
	a. Supply, Delivery, Installation of Network Cabling;
	b. completed within seven (7) years prior to the deadline for the submission and receipt of bids.
	The prospective bidder should have completed at least two (2) similar contracts and the aggregate contract amounts should be equivalent to at least 50% of the ABC; and
	The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
7.1	Subcontracting is not allowed.
8	The Department of Trade and Industry will hold a Pre-Bid Conference on 26 September 2022, 9:30 A.M. through video conferencing or webcasting via Zoom, which shall be open to prospective bidders.
	Join Zoom Meeting: https://zoom.us/j/96488503867?pwd=RWdVKzlRck9mU2Qwa0VSZHJSbEdSZz 09
	Meeting ID: 964 8850 3867 Passcode: BAC2022
10.1	Submission of updated PhilGEPS Certificate (Platinum Membership) with updated/valid "Annex A" (Eligibility Documents) is required pursuant to GPPB Resolution No. 15-2021, dated 14 October 2021:
	https://www.gppb.gov.ph/issuances/Resolutions/GPPB%20Resolution%20No.%2 015.%202021.pdf
	<i>PhilGEPS Certificate (Platinum Membership)</i> x x x For the purpose of updating the Certificate of Registration and Membership, all Class "A" eligibility documents mentioned in this section supporting the
	veracity, authenticity and validity of the Certificate shall remain current and updated. The failure by the prospective bidder to update its Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class "A" eligibility documents has been updated.

14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:		
	a The amount of not less than Four Hundred Ninety-Three Thousand Pesos (PhP493,000.00), if bid security is in cash; or		
		One Million Two Hundred Thirty-Two s (PhP1,232,500.00) if the bid security is in	
15	copies of the first and second compo	hall submit one (1) original and three (3) onents of its bid. to Section I (Invitation to Bid Clause 10).	
17	Bid opening shall be on 10 October 2022, 9:30 A.M. at the Center Conference Room, Trade & Industry Building, 361 Sen. Gil Puyat Avenue, Makati City and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. Join Zoom Meeting: <u>https://zoom.us/j/98239655653?pwd=eEl2UURQbzBaME9TMTZMa3BwaGVud</u> <u>z09</u> Meeting ID: 982 3965 5653 Passcode: BAC2022		
19.3	The lot(<i>s</i>) and reference is/are:		
	Project Title	Approved Budget of the Contract	
	Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office	PhP24,650,000.00	

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

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

3. Performance Security

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

4. Inspection and Tests

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

these purposes.

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

	Special Conditions of Contract
GCC	
Clause	
1	Delivery and Documents –
	For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:
	[For Goods supplied from abroad, state:] "The delivery terms applicable to the Contract are DDP delivered [indicate place of destination]. In accordance with INCOTERMS."
	[For Goods supplied from within the Philippines, state:] "The delivery terms applicable to this Contract are delivered [indicate place of destination]. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is:
	ROLANDO T. MEDRANO, JR. Director Information Systems Management Service Trade and Industry Bldg., 361 Sen. Gil J. Puyat Ave., Makati City
	Incidental Services –
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:
	 a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;

Special Conditions of Contract

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

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

	Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.
	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.
2.2	Payments shall be made promptly by the Procuring Entity, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.

Section VI. Schedule of Requirements

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

Item Number	Description	Quantity	Delivered, Weeks/Months	Statement of Compliance
1	Supply, Delivery and Installation of Hyperconvergence Solution Refresh and Backup Solution at the Department of Trade and Industry – Head Office	1 lot	60 calendar days	

Conforme:

Name & Signature of the Authorized Representative

Name of Company

Date

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance
1	1 PROJECT DESCRIPTION/RATIONALE:	
	The Department of Trade and Industry (DTI) is in the process of refreshing and modernizing its current infrastructure using the next generation hyper-converged infrastructure platform/system and backup solutions in order to drive better IT responsiveness, improve operational efficiency and deliver better Service Level Support (SLA).	[Bidders must state here either "Comply" or "Not Comply"
	The DTI-Information Systems Management Service (ISMS) has an existing hyperconvergence solution located at the head-office. With the establishment of DTI hyperconverged infrastructure, it houses some web applications, file services, time keeping application, and other inhouse and 3 rd party applications. The growth of data and the need for data protection of servers has resulted in additional investments required for data storage, protection and transmission across different site.	against each of the individual parameters of each Specification stating the corresponding performance
	2 OBJECTIVES:	parameter of the equipment offered.
	The new hyperconverged infrastructure and solution backup intend to address the following:	Statements of "Comply" or "Not Comply"
	 Highly automated and easy to manage Additional resources for increased workload Data Protection and Business Continuity requirements Enterprise backup software to cater the growing resources needs and demands of the existing and future application 	must be supported by evidence in a Bidders Bid and cross- referenced to that evidence.
	3 TECHNICAL SPECIFICATIONS	Evidence shall be in the form
	The winning bidder/service provider shall provide hyperconvergence and backup solutions with the following minimum features/components:	of manufacturer' s un-amended sales
	Hyperconverged Infrastructure (HCI) Solution	literature, unconditional
	 3.1 General Features The proposed solution's hardware, software and support agreement must be from the same hyperconverged platform vendor to simplify future engagements, upgrades, 	statements of specification and compliance issued by the
	and renewals.	manufacturer,

 3.2 Virtualized Storage, Compute Platform and Network Switch Minimum Hardware Specifications: Number of appliance: Minimum 4 nodes Hardware footprint: 4U rack server Processor: minimum of 20 physical Inter CPU cores per node Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5' HDD per node X 10GbE Dual Base-T Network Adapter 1 x 26GbE, 2-port, SFP28 Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and heath monitoring. Redundant power supplies and cooling fans per chassis. The solution must her 100% software-defined system with no dependencies on proprietary hardware. The solution must include redundant components with no single point of failure in the system. The solution must include redundant components with no single point of failure in the system. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisor having avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must fallo provide an integrated hypervisor that is built into the HCI stack and does not require a separate 		samples,
 Switch Minimum Hardware Specifications: Number of appliance: Minimum 4 nodes Hardware footprint: 4U rack server Processor: minimum of 20 physical Inter CPU cores per node Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 × 7.66 TB SSD TB SSD per node 4 × 12 TB 3.5' HDD per node Network: 1 × 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCI plaform must have end-to-end, and available support of VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and healt monitoring. Redundant power supplies and cooling fans per chassis. Yox [10G (SFP+]], 4x [10G Combo (RJ45/SFP+]] Stackable Stackable Stackable The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must fully support all mainstream hypervisors (ESXI, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must fully support all mainstream hypervisors (ESXI, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisors 	3.2 Virtualized Storage, Compute Platform and Network	independent
 Minimum Hardware Specifications: Number of appliance: Minimum 4 nodes Hardware footprint: 4U rack server Processor: minimum of 20 physical Inter CPU cores per node Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 × 7.68 TB SSDTB SSD per node 4 × 12 TB 3.5' HDD per node A × 12 GbE, 2-port, SFP28 Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and heath monitoring. Redundant power supplies and cooling fans per chassis. Z x Network Switch (24port) Stackable Stackable 3.3 Solution Features The solution must havo software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	Switch	•
Number of appliance: Minimum 4 nodes Hardware footprint: 4U rack serverstatement that statement that is notProcessor: minimum of 32 ophysical Inter CPU cores per nodememory: minimum of 384GB RAM per node (must be expandable)subsequently evidence or is subsequentlyCapacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication)capacity: 74 TB Minimum Effective capacity (Min. Effective capacity: 74 TB Minimum Effective capacity (Min. Effective capacity: 74 TB Minimum Effective capacity (Min. Effective capacity: 74 TB Minimum Effective capacity without compression and deduplication)composition2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per nodereduce or is subsequently resented will reder the Bid under evaluation evaluation evaluation0 The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors.rejection. A statement of evaluation rejection. A statement0 Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring.sitement evaluation evaluation galgibit Ethernet to logigabit Ethernet10 Gigabit Ethernet odecal storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts.post- qualification or the contractThe solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor.for for proscution supplication or the execution for the contract		
Number of appliance: Minimum 4 nodes Hardware footprint: 4U rack serverstatement that is nodeProcessor: minimum of 20 physical Inter CPU cores per nodesupported by evidence or is subsequentlyCapacity: 74 TB Minimum Effective capacity (Min. Effective capacity = U sable capacity without compression and deduplication) 2 x 7.68 TB SSDTB SSD per nodesubsequently evidence2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per node 1 x 25GbE, 2-port, SFP28 Network Adapter (including all required transceivers)reserted will reserted will evaluation0 The HCI platform must have end-to-end, and available support for Wavare Sphere, Microsoft Hyper-V and open source KVM hypervisors.evidence evaluation liable for rejection. A statement of om the reserted will render the Bidder's statement of the Statkable3.3 Solution Features0 Ut-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring.support for Miware Sphere, Microsoft Hyper-V and open statement of the supporting evidence of the supporting evaluation monitoring.compliance or the supporting evaluation gost- qualification0 Gigabi Ethernet to a pool that is accessible to all hosts.false either during Bid evaluation, post- qualification or the execution of the Contract1 The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor.for for prosecution supplication supplication the Statchale3.3 Solution Features (ESXi, Hyper-V, KVM) giving cust	Minimum Hardware Specifications:	annronriate A
 Hardware footprint: 4U rack server Processor: minimum of 20 physical Inter CPU cores per node Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity: 74 TB Minimum Effective capacity 1 × 25GbE, 2-port, SFP28 Network Adapter 1 × 25GbE, 2-port, SFP28 Network Adapter (including all required transceivers) The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that issuances.] 	Number of appliance: Minimum 4 nodes	** *
 Processor: minimum of 20 physical Inter CPU cores per node Supported by evidence or is subsequently Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per node Network: 1 x 10CbE Dual Base-T Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) Stackable Stackable Stackable The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must fully support all mainstream hypervisors disking to the applicable for supplier liable for prosecution subject to the applicable for supplier liable for supplier liable for the calculation. 	Hardware footprint: 4U rack server	
 node Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per node Network: 1 x 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must fully support all mainstream hypervisors the issuances.] 	Processor: minimum of 20 physical Inter CPU cores per	
 Memory: minimum of 384GB RAM per node (must be expandable) Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 × 7.68 TB SSDTB SSD per node 4 × 12 TB 3.5" HDD per node Network: 1 × 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) Stackable Stackable 2 x Network Switch (24port) Stackable Stackable 2 the solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that issuances. 	node	**
 Capacity: 74 TB Minimum Effective capacity (Min. Effective capacity = Usable capacity without compression and deduplication) 2 x 7.68 TB SDTB SSD per node 4 x 12 TB 3.5" HDD per node Network: 1 x 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware VSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors daviding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	• • •	subsequently
 capacity = Usable capacity without compression and deduplication) 2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per node Metwork: 1 x 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the contract may be regarded as fraudulent and render the Bidder or supplie not of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		0
 2 x 7.68 TB SSDTB SSD per node 4 x 12 TB 3.5" HDD per node Network: 1 x 10GbE Dual Base-T Network Adapter 1 x 25GbE, 2-port, SFP28 Network Adapter (including all required transceivers) The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. Q to to (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	capacity = Usable capacity without compression and	
 4 x 12 TB 3.5" HDD per node Network: 1 x 10GbE Dual Base-T Network Adapter (including all required transceivers) The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must be 100% software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	1 /	presented will
 Network: 1 x 10GbÉ Dual Base-T Network Adapter 1 x 25GbE, 2-port, SFP28 Network Adapter (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		render the Bid
 A variable basic function mappendiculate interview of the contract including all required transceivers) The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		under
 (including all required transceivers) The HCI platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 The HCl platform must have end-to-end, and available support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 support for VMware vSphere, Microsoft Hyper-V and open source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that issuances.] 	· · · · · · · · · · · · · · · · · · ·	5
 Source KVM hypervisors. Out-of-band management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the single point of failure in the system. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. 		•
 Out-of-hand management port allowing host power control, remote console access, and hardware alerting and health monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 statement of compliance or the support of the support of		
 monitoring. Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 Redundant power supplies and cooling fans per chassis. 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		•
 2 x Network Switch (24port) 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		-
 10 Gigabit Ethernet 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] Stackable 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		
 Stackable Stackable during Bid evaluation, post- qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	•	v
 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	 20x [10G (SFP+)], 4x [10G Combo (RJ45/SFP+)] 	false either
 3.3 Solution Features The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	Stackable	during Bid
 The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		evaluation,
 The solution must be 100% software-defined system with no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	3.3 Solution Features	post-
 no dependencies on proprietary hardware. The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		qualification
 The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	 The solution must be 100% software-defined system with 	or the
 The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	no dependencies on proprietary hardware.	execution of
 The solution must, through software, aggregate the use of local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		•
 local storage disk resources across all server nodes in the cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	 The solution must, through software, aggregate the use of 	
 cluster into a pool that is accessible to all hosts. The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	local storage disk resources across all server nodes in the	2
 The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	cluster into a pool that is accessible to all hosts.	0
 The solution must include redundant components with no single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 		•
 Single point of failure in the system. The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	 The solution must include redundant components with no 	
 The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	single point of failure in the system.	
 The solution must fully support all mainstream hypervisors (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that issuances.] 		
 (ESXi, Hyper-V, KVM) giving customers choice and avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that 	The solution must fully support all mainstream hypervisors	0
 avoiding vendor lock-in, while providing the below capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that issuances.] 		•
 capabilities, regardless of hypervisor. The solution must also provide an integrated hypervisor that <i>applicable laws and issuances.</i>] 		0
The solution must also provide an integrated hypervisor that <i>laws and issuances.]</i>		* *
	The solution must also provide an integrated hypervisor that	issuances.]
	· · · ·	
management interface or appliance to run, utilizing the		

same HTML5 interface that manages the entire infrastructure.	
The solution's software defined storage features must include the following data management	
 Fully automated, intelligent data tiering Tiering must occur in real-time and elevate data into the flash (SSD) and RAM tier based on Tiering must work across SSD and HDDs simultaneously Flash/SSD is not dedicated only for data caching but contributes to the overall capacity and performance of the aggregated storage pool. Thin provisioning Rapid VM cloning Crash-consistent and application-consistent snapshots Compression Deduplication Tiering must work across SSD and HDDs simultaneously. Tunable Data Redundancy policies that provide options for single host failure and simultaneous host failure with no impact to data availability. The solution must support Enterprise virtualization features including VMware vMotion, HA, and DRS and Hyper-V live migration and failover clustering, or their respective equivalent. The solution must have the ability to natively mix different hypervisors between primary and DR datacenters (i.e. use an alternate hypervisor as a DR target). The solution must not depend on RAID technology or 	
Disk Groups but be fully distributed.	
3.4 Scalability Features	
 The solution must have the ability to remove nodes non-disruptively. The solution must have the ability to scale-out one or more nodes at a time. The solutions must have the ability to mix and match different models and generations of the same server hardware manufacturer in the same cluster. The solution must have the ability to scale storage capacity independent of compute. All cluster hosts must participate in a disk rebuild operation. Disk rebuilds get more efficient as the cluster scales due to the increased number of storage controllers to rebuild data in parallel. 	

3.5 Ne	etworking Features	
•	The solution must include "micro-segmentation" capability for increased security between virtual machines, VLANs, and applications.	
•	The solution must include a network visualization capability that shows the I/O data path from the VM vNICs all the way through to the physical switch port to help isolate network anomalies.	
3.6 M a	anagement Features	
3.6 Ma • •	 anagement Features The solution must provide non-disruptive (no down time), simple upgrade process for the entire infrastructure, including the hypervisor. The solution must include a lifecycle manager for software and firmware from a centralized and intuitive control plane that is integrated into the product. This feature must manage and perform all upgrade dependencies for software and firmware components, across all sites and clusters with a single, unified process regardless of server hardware utilized. The solution must include native, system-wide data analytics with machine learning to analyze resource usage over time and provide tools to monitor resource consumption, identify abnormal behavior, and guide resource planning as well as provide VM "right-sizing" to identify constrained. The solution management tool/graphical user interface (GUI) must be built into the distributed system and scale with the cluster, and must be HTML5 to limit security risks. All core management tool. The solution must provide a native, single management tool supporting ESXi, Hyper-V, XenServer and AHV hypervisors. Management tool must be built into the distributed system, scales with the cluster, and does not require separate hardware infrastructure. 	
-	to 'right size' existing workloads and support expansion for application growth and addition of new workloads.	
•	Management tool must support customizable dashboards	
3.7 Se	ecurity Features	
•	The solution must perform logging and auditing of all administrative actions with a native mechanism to ensure log integrity. The solution must be validated to FIPS-140-2 compliance.	
•	The solution must be validated to fin of 140 2 compliance. The solution must have a fully automated Security Technical Implementation Guide compliance.	

1										
•	The solution must have Common Criteria security certification									
3.8 Su	nnort									
0.0 04	Must include 24x7x365 software maintenance and support									
	for all hardware and software components of the proposed HCI solution, including updates and patches as well as technical support available via telephone, email, and web during all hours (24 hours per day, 365 days per year).									
•	A technical representative from winning bidder, when needed, shall perform email, phone and at least 8x5 onsite support services to The Department of Trade & Industry at no extra cost.									
•	Support services includes the following:									
	3.81 Identification of related HCI issues/concerns									
	3.82Troubleshoot identified HCI issues									
	3.83Lead and/or assist in logging HCI support concerns									
	3.84Lead and/or assist in escalation management with HCI global support.									
	3.85Assistance in patch/firmware/maintenance release of									
	roll out.									
	3.86Assistance in reconfiguration /reinstallation for issues									
	caused by winning bidder performed patch/upgrade related concerns.									
	3.87 Regular health check and preventive maintenance.									
	3.88Documentation of any movement or changes made in									
	the Environment.									
	3.89Consultation on upgrade, use of options, etc.									
	3.810 Other basic administration tasks									
	3.811 Basic tuning procedures (gathering of statistics,									
	performance logging, etc.)									
	3.812 The technical representative that will be									
	assigned to this maintenance shall respond in 4 hours									
	or less. (In case of emergency incident, from the receipt									
	of the report)									
	Backup Solution									
3.9 Fu i	nctionalities									
•	Solution should be able to support the offered HCI.									
•	Solution should support agentless approach to back up									
	Vmware, Hyper-V, Open KVM, and volume groups. The									
	solution must create image-based backups of VMs at a									
	specific point in time.									
•	Solution must be able to create snapshot-only jobs based									
	on protection domains to easily organize and optimize									
	backups.									
	Solution should be able to support the following backup									
	storage/target: DAS, NAS, SAN, tapes, cloud object									
	storage, etc. without requiring additional licenses/modules.									
	storago, oto, maroat roquining additional noonooo/modulos.									

 Solution should support creating a single virtual pool of backup storage from more than one device with unlimited scalability. Solution should create application-consistent, image-level VM backups when the source VM meets Open KVM requirements. Solution should support creation of forever forward incremental and forward incremental per-VM backups when the sults of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Han and SAP on Oracle Database without requiring additional 	1		
 scalability. Solution should create application-consistent, image-level VM backups when the source VM meets Open KVM requirements. Solution should support creation of forever forward incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup Gory or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage and S3 compatible using Copy or Move mode without additional cost. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Han and SAP on Oracle Database without requiring additional 	•		
 Solution should create application-consistent, image-level VM backups when the source VM meets Open KVM requirements. Solution should support creation of forever forward incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to docrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware VSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database. 			
 VM backups when the source VM meets Open KVM requirements. Solution should support creation of forever forward incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional<			
 requirements. Solution should support creation of forever forward incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•	Solution should create application-consistent, image-level	
 Solution should support creation of forever forward incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple WMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Data		VM backups when the source VM meets Open KVM	
 incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple WMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		requirements.	
 incremental and forward incremental per-VM backup chains. Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple WMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•	Solution should support creation of forever forward	
 Able to provide reports with results of backup, snapshot, and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless table level recovery of a single SOL Server database. Ability to perform agentless table level recovery of a single SOL Server database. Ability to perform agentless table level recovery of a single SOL Server database. 			
 and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database. Ability to perform agentless transaction log backup and replay, and database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to backup Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		chains.	
 and PD snapshot jobs. Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and replay, and database. Ability to perform agentless transaction log backup and replay, and database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to backup Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•	Able to provide reports with results of backup, snapshot,	
 Solution should support the Disk-To-Disk-To-Tape D2D2T architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to backup Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring ad			
 architecture & Hybrid Cloud (Disk to Disk To Cloud) architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•	Solution should support the Disk-To-Disk-To-Tape D2D2T	
 architecture. Solution should have licenses calculated and based on per instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tire backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 instance (workload). Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•	Solution should have licenses calculated and based on per	
 Granular Item Level recovery for Active Directory object, SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 SQL Database, Oracle Database, Sharepoint & Exchange without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless transaction log backup and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to backup Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•		
 without install agent based. Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Recover any backups (VMs, Cloud instances, physical servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 servers and etc) directly to public clouds such as AWS, Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perovide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		•	
 Microsoft Azure, Azure Stack and Google Compute Engine. Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Included built in AES 256-bit encryption (at-source, in-flight and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		, , , , , , , , , , , , , , , , , , , ,	
 and at-rest), compression and deduplication in a single product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•		
 product without an additional option to purchase. Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Solution must be able to decrease backup storage requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless table level recovery of a single SQL Server database. Ability to provide agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 requirements and network traffic with built-in deduplication, multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 multiple compression options and swap exclusion. Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Ability to tier backup data to object storage such as Azure blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		•	
 blob storage, AWS S3, IBM cloud, GCP Cloud Storage and S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 S3 compatible using Copy or Move mode without additional cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		, , , ,	
 cost. Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to perform agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Support for Hitachi Vantara HCP as object storage with immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 immutability features. Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Hitachi Vantara HCP as verified object storage solutions that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		· · · · · · · · · · · · · · · · · · ·	
 that has been tested with backup solution's object storage features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 features. Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Solution must be able to instantly recover any workload, including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 including physical servers, cloud-based instances and multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 multiple VMs to Open KVM, VMware vSphere or Microsoft Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Hyper-V by running them directly from the backup. Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Ability to perform agentless granular recovery object and container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		•	
 container for group policy object, AD integrated DNS records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 records and Configuration partition records. Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Ability to provide agentless table level recovery of a single SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 SQL Server database. Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 		-	
 Ability to perform agentless transaction log backup and replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•		
 replay, and database restore to original or new SQL Server. Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 			
 Solution must be able to back up Oracle RMAN, SAP Hana and SAP on Oracle Database without requiring additional 	•		
and SAP on Oracle Database without requiring additional			
	•		
modules/licenses.			
 Ability to increase security and reduce interruptions by 	•		
scanning backup with a patent pending antivirus software		scanning backup with a patent pending antivirus software	

interface to prevent introducing viruses and malware into	
 the production environment. Provide agent-based data protection for physical server on Windows /Linux with support for bare metal recovery, export as virtual disk & able to perform Instant Recovery to Open KVM, Hyper-V or Vmware Platform. Solution must be able to instantly recover Microsoft SQL and Oracle databases into production environments, regardless of their size. Solution must be able to do directly restore to the public cloud and other hypervisors without the need for additional licenses/modules. 	
3.10Monitoring ang Reporting Features	
 3.10Monitoring ang Reporting Features Solution should provide advanced monitoring, reporting, capacity planning & chargeback for both the Virtual and backup infrastructure. Solution must be 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. Solution must allow view and analyze historical performance data to understand trends and facilitate troubleshooting. Solution must be able to send notification of alarms via customizable email. Solution must be able to perform modeling of an alarm against past performance data to understand potential alarm frequency and avoid issues like inadvertent alert storms and missed events. Solution must allow to view and manage processes running on servers, hosts and VMs. Solution should be able to help managing the growth of virtual infrastructure with features like trend analysis, threshold forecasts and provisioning recommendations. 	
 Solution must be able to create Visio diagrams that 	
document the virtual infrastructure.	
 Solution must be able to discover VMs with under- and over-utilized CPU and memory resources, and send recommendations on appropriate vCPU and vRAM allocations. Solution must be 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.	

 Ability to generate report to show all protected and unprotected computers including their last backup state for physical workload. Built in automation to include self-identify backup infrastructure issue. Ability to save time and reduce manual intervention with automatic resolution of common backup problem. Ability to create own dashboard for Hypervisor and Data Protection. Ability to provide ransomware abnormal activity monitoring & incremental backup data ransomware detection. 	
Note: The basis of the above-mentioned specifications shall be the submitted documents attached to the technical documents/units offered.	
4 SCOPE OF WORK	
 4.1 Migration and testing of existing virtual machine to new hyperconverged infrastructure to new. 4.2 Submission of Project Plan and Schedule, including all project related documentations; 4.3 Submission of Network Design and Configuration; 4.4 Technical assistance and support services to DTI on hardware and software related issues and problems but not limited to the following activities: 	
 Provide Phone/Email/Remote technical assistance and support on reported system problem and other related issues that have minor impact to DTI operations; 	
 On-site technical assistance and support with response time of four (4) hours upon confirmation of call in case of critical problems such as systems breakdown, unavailability or downtime that has major impact to DTI operations; 4.5 On-site Technical Training: 	
 Conduct an in-depth technology transfer training for at least five (5) DTI IT personnel. All training costs shall be on the account of the winning bidder. 	
5 QUALIFICATION REQUIREMENTS (FOR POST-QUALIFICATION)	
 Must have at least two (2) certified engineers/personnel for implementation and support services (<i>Certificate of</i> <i>Employment and Vendor Certificate for solutions provider</i>'s engineers must be provided.) for the proposed HCI solution. 	

2.	Must have the capacity and ability to provide maintenance services and technical support on the solutions offered. (Certificate from the provider of the unit offered must be provided.)	
3.	Must have at least one (1) existing HCI installed-based government entity/entities. (<i>Certificate of Completion or Satisfactory Service must be provided.</i>)	
4.	Must have implemented at least 5 projects and currently supported of the same proposed HCI solution. (Certificate of Completion or Satisfactory Service must be provided.)	

Conforme:

Name & Signature of the Authorized Representative

Name of Company

Date

Section VIII. Checklist of Technical and Financial Documents

×/~	А.	TECHNICAL COMPONENT ENVELOPE								
		Eligibility Documents								
	1.	PhilGEPS Certificate of Registration and Membership under Platinum category with the updated/valid of Eligibility Documents under its Annex "A".								
	2.	Statement of all on-going government and private contracts, including contracts awarded but not yet started. (<i>Annex A</i>)								
	3.	Statement of the Bidder's Single Largest Completed Contract similar to the contract to be bid, within the relevant period as provided in the Bidding Documents. (<i>Annex B</i>)								
		Technical Documents								
	1.	Bid security in the following prescribed form, amount and validity period:								
		a. Cash or cashier's/manager's check issued by a universal or commercial bank, bank draft/guarantee or irrevocable letter of credit issued by a universal or commercial bank = Two percent (2%) of the ABC; or								
		b. Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such surety = Five percent (5%) of the ABC. Certification by Insurance Commission should be attached to the surety bond; or								
		c. Bid Securing Declaration. (Annex C)								
	2.	Conformity with Schedule of Requirements, as enumerated in <i>Section VI</i> of the Bidding Documents.								
	3.	Conformity with Technical Specifications, as enumerated in Section VII of the Bidding Documents.								
	4.	Omnibus Sworn Statement executed by the bidder or its duly authorized representative. (Annex D)								
	5.	Secretary'sCertificateforCorporation;orSpecial Power of Attorney for Sole Proprietorship								
	6.	Prospective bidder's computation of its Net Financial Contracting Capacity (NFCC), which must be at least equal to or greater than the ABC; or Committed Line of Credit, which must be at least equal to ten (10%) of the ABC of the contract to bid, in lieu of the NFCC.								
	7.	Joint Venture Agreement, if applicable.								
	8.	Bid Bulletin/s, if any.								
	B.	FINANCIAL COMPONENT ENVELOPE								
	1.	Bid Form (Annex E)								
	2.	Price Schedules (Annex F-1 or F-2)								

Disclaimer: The CHECKLIST only serves as a guide in the preparation of the bidding documents/requirements. In case of discrepancy between the requirements indicated in the BIDDING DOCUMENT and the CHECKLIST, the BIDDING DOCUMENT shall prevail.

ANNEX A

Statement of Ongoing Contract/s

This is to certify that ______ (Name of Company) ______ has the following ongoing contract/s:

Name of Contract	Date of Contract	Contract Duration	Owner's Name and Address	Kind of Goods	Amount of contract and value of outstanding contracts	Date of Delivery	End user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements (<i>if applicable</i>)

Name of Company/Bidder

Signature over printed Name of Authorized Representative

Date

ANNEX B

Statement of Single Largest Contract

This is to certify that _____ (Name of Company) _____ has the following completed contract/s for the period CY _____.

Name of Contract	Date of Contract	Contract Duration	Owner's Name and Address	Kind of Goods	Amount of completed contracts, adjusted by the	Date of Delivery	End user's acceptance or official receipt(s) or
					Bidder to current prices using PSA's consumer price index, if		sales invoice issued for the contract, if completed, which shall be
					necessary for the purpose of meeting the SLCC requirement		attached to the statements

Name of Company/Bidder	Signature over printed Name of Authorized Representative	Date

ANNEX C

Bid Securing Declaration Form

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

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 SUBSCRIBED AND SWORN to before me this ____ day of _____ 2022 at _____, Philippines. Affiant is personally known to me and was identified by me through competent evidence of identity as defined in the 2004 Rules in Notarial Practice (A.M. No. 02-8-13-SC). Affiant exhibit to me his/her ______ with his/her photograph and signature appearing thereon, with no. ______ issued by ______.

Witness my hand and seal this _____ day of _____ 2022.

NOTARY PUBLIC

Doc. No.:
Page No.:
Book No.:
Series of

ANNEX D

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

- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

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

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

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

- 7. [Name of Bidder] complies with existing labor laws and standards; 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. <u>In case advance payment was made or given, failure to perform or deliver any of the</u> 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.</u>

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

SUBSCRIBED AND SWORN to before me this ____ day of _____ 2022 at _____, Philippines. Affiant is personally known to me and was identified by me through competent evidence of identity as defined in the 2004 Rules in Notarial Practice (A.M. No. 02-8-13-SC). Affiant exhibit to me his/her ______ with his/her photograph and signature appearing thereon, with no. ______ issued by ______.

Witness my hand and seal this _____ day of _____ 2022.

NOTARY PUBLIC

Doc. No.: _____ Page No.: _____ Book No.: _____ Series of _____

ANNEX E

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 Amount and Purpose of of agentCurrencyCommission 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.

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:

т 1			
Legal	capaci	itv:	
0	F	<u>j</u> .	

Signature: _____

Duly authorized to sign the Bid for and behalf of:

Date: _____

ANNEX F-1

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 (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)
1	Hyperconverge d Infrastructure (HCI) Solution							
2	Backup Solution							

Name: ______

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

ANNEX F-2

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 I	Pageof				
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 (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
1	Hyperconverged Infrastructure (HCI) Solution								
2	Backup Solution								

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Contract Agreement Form for the Procurement of Goods (Revised)

CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20___ between [name of PROCURING ENTITY] of the Philippines (hereinafter called "the Entity") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part;

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz*.:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. <u>Winning bidder agrees that</u> <u>additional contract documents or information prescribed by the GPPB</u> <u>that are subsequently required for submission after the contract</u> <u>execution, such as the Notice to Proceed, Variation Orders, and</u> <u>Warranty Security, shall likewise form part of the Contract.</u>

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

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

[Insert Name and Signature]	[Insert Name and Signature]			
[Insert Signatory's Legal Capacity]	[Insert Signatory's Legal Capacity]			
for:	for:			
[Insert Procuring Entity]	[Insert Name of Supplier]			

Acknowledgment

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

