

PHILIPPINE BIDDING DOCUMENTS

PROCUREMENT OF ONE (1) LOT 249 –NODES STRUCTURED CABLING SYSTEM WITH INTEGRATED DATA CABINET (ITB No. 2021-01)



Republic of the Philippines
Department of Agriculture
Philippine Council for Agriculture and Fisheries
Apacible Hall, Department of Agriculture Compound
Elliptical Road, Diliman, Quezon City

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

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

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified

in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

Section I. Invitation to Bid



Republic of the Philippines
Department of Agriculture
Philippine Council for Agriculture and Fisheries
Apacible Hall, Department of Agriculture Compound
Elliptical Road, Diliman, Quezon City

INVITATION TO BID

FOR THE PROCUREMENT OF ONE (1) LOT 249 – NODES STRUCTURED CABLING SYSTEM WITH INTEGRATED DATA CABINET

1. The Philippine Council for Agriculture and Fisheries (PCAF), through the General Appropriations Act (GAA) of 2021 intends to apply the sum of Six Million Nine Hundred Ninety Eight Thousand Pesos (PhP 6,998,000.00) being the ABC to payments under the contract for the Procurement of One (1) Lot 249 Nodes Structured Cabling System with Integrated Cabinet /ITB No. 2021-01. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Philippine Council for Agriculture and Fisheries (PCAF) now invites bids for the above Procurement Project. Delivery of the Goods is required no later than 30 calendar days upon receipt of the Notice to Proceed. Bidders should have completed, within three 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 ***PCAF-Bids and Awards Committee (BAC) Secretariat*** and inspect the Bidding Documents at the address given below from 9:00 AM to 4:00 PM Mondays to Friday, except during holiday..
5. A complete set of Bidding Documents may be acquired by interested Bidders on February 24, 2021 to March 16, 2021 from the given address and website 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 Five Thousand One Hundred Pesos (PhP 5,100.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

6. The Philippine Council for Agriculture and Fisheries (PCAF) will hold a Pre-Bid Conference¹ on March 4, 2021 at 9:00 AM at the BAC Conference Room, 3rd Floor PCAF, Apacible Hall, DA Compound Elliptical Road, Diliman, Quezon City, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below. 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 March 16, 2021 at the given address. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

The Schedule of Procurement activities are as follows:

Activity	Venue	Date/Time	Remarks
Pre-Bid Conference	BAC Conference Room 3 rd Floor, PCAF, Apacible Hall, DA Compound, Elliptical Rd., Diliman. QC	March 4, 2021 9:00 AM	All interested bidders may attend
Receipt of Bids	BAC Conference Room 3 rd Floor, PCAF, Apacible Hall, DA Compound, Elliptical Rd., Diliman, Q.C.	On or before March 16, 2021 9:00 AM	All bids must be accompanied by a Bid Security as stated in ITB Clause 18. Late bids shall not be accepted
Opening of Bids	BAC Conference Room 3 rd Floor, PCAF, Apacible Hall, DA Compound,, Elliptical Rd., Diliman, Q.C.	March 16, 2021 9:05 AM	Bids will be opened in the presence of the Bidder's Representative who opt to attend


10. The Philippine Council for Agriculture and Fisheries (PCAF) reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

Freido I. Prado
 Head, PCAF-BAC Secretariat
 BAC Office, 3rd Floor, Philippine Council for Agriculture and Fisheries
 Apacible Hall, Dept. of Agriculture Compound, Elliptical Road, Diliman, Quezon City
 Email : pcafbc@gmail.com
 Telefax Nos. 920-4092/926-2241

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

12. You may visit the following websites
For downloading of Bidding Documents:
<http://www.pcaf.da.gov.ph/index.php/bids-and-awards/>

February 24, 2021


ESTRELLA V. TULAY
Chairperson
Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Philippine Council for Agriculture and Fisheries (PCAF) wishes to receive Bids for the Procurement of One (1) Lot 249 Nodes Structured Cabling System with Integrated Data, ITB No. 2021- 01, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for FY 2021 in the amount of Six Million Nine Hundred Ninety Eight Thousand Pesos (PhP 6,998,000.00).

2.2. The source of funding is 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 limited to those allowed under the rules may participate in this Project.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to 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 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 at the BAC Conference Room, 3rd Floor PCAF, Apacible Hall, DA Compound Elliptical Road, Diliman, Quezon City 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, three years from the date of submission and receipt of bids, a contract similar to the Project. prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting

Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

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

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in the **BDS**.
 - 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 the **BDS**.

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 Declaration² or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until July 14, 2021. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time at its physical address 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.

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

- 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 Entity's 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. 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.
- 19.3. The Project shall be awarded as One Project having several items that shall be awarded as one contract.
- 19.4. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause							
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. Procurement of One (1) Lot 249 Node Structured Cabling System b. Completed within March 15, 2021, prior to the deadline for the submission and receipt of bids. 						
7.1	“Not applicable”						
12	The price of the Goods shall be quoted DDP with the place of destination in the Philippines or the applicable International Commercial Terms (INCOTERMS) for this Project.						
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than PhP 139,960.00 if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than PhP 349,900.00, if bid security is in Surety Bond. 						
19.3	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Item Description</u></th> <th style="text-align: center;"><u>Quantity</u></th> <th style="text-align: right;"><u>ABC (PhP)</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">One (1) Lot Structure Cabling System with Integrated Cabinet</td> <td style="text-align: center;">1</td> <td style="text-align: right;">6,998,000.00</td> </tr> </tbody> </table>	<u>Item Description</u>	<u>Quantity</u>	<u>ABC (PhP)</u>	One (1) Lot Structure Cabling System with Integrated Cabinet	1	6,998,000.00
<u>Item Description</u>	<u>Quantity</u>	<u>ABC (PhP)</u>					
One (1) Lot Structure Cabling System with Integrated Cabinet	1	6,998,000.00					
20.2	Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS)						
21.2	“Not applicable”						

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 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 specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section VII (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<p>“No further instructions”.</p> <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered at the Philippine Council for Agriculture and Fisheries (PCAF), DA Compound, Elliptical Road, Diliman, Quezon City. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>(to be determine)</i>.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> 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; 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
	<ol style="list-style-type: none"> 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.

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

1. 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
2. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VII (Technical Specifications and Terms of Reference)** and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [*indicate here the time period specified. If not used indicate a time period of three times the warranty period*].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [*insert appropriate time period*] 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.

	<p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p>

	<p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	“Maintain the GCC Clause.”
4	<p>The Goods delivered are accepted by the PCAF as to quantity only. However, inspection as to the Goods’ compliance with Section VII. Technical Specifications, and its order and condition, will be done in the presence of the representatives of both the Supplier and the PCAF upon prior due notice, written or verbal, to the authorized representative of the Supplier. The inspection will push through as scheduled even in the absence of the Supplier’s representative, if the latter was duly notified. In which case, the results of the inspection conducted by the PCAF shall be final and binding upon the Supplier.</p>

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	Total (ABC)	Delivered, Weeks/Months
1	249-Nodes Structured Cabling System with Integrated Data Cabinet	1 Lot	6,998,000.00	Not later than 30 calendar days upon receipt of the Notice to Proceed

Section VII. Technical Specifications and Terms of Reference

Technical Specifications

Bidders must state either “Comply” or “Not Comply” in the column “Bidder’s Statement of Compliance” against each of the individual parameters of each specification

Quantity	Unit	Description	Bidder's Statement of Compliance
1	lot	249-nodes Structured Cabling System with Integrated Data Cabinet	
		24-port Core Switch	
1	unit	Layer 3 switch, 24-port GE, 8 x 10GE SFP+ uplink switch, redundant power supply, full layer 3 features	
1	unit	8x5xNBD warranty and technical support, 1 year	
		48-port PoE Access Switch	
3	units	Layer 3 switch, 48-port PoE GE, 4 x GE SFP uplink switch, entry layer 3 features	
3	units	8x5xNBD warranty and technical support, 1 year	
		48-port Non-PoE, 10GE Uplink Access Switch	
3	units	Layer 3 switch, 48-port Non-PoE GE, 4 x10GE SFP+ uplink switch, entry layer 3 features	
3	units	8x5xNBD warranty and technical support, 1 year	
		24-port PoE Access Switch	
2	units	Layer 3 switch, 24-port PoE, 4 x GE SFP uplink switch, entry layer 3 features	
2	units	8x5xNBD warranty and technical support, 1 year	
		10G SFP+ Transceiver	
6	units	10GE Short-range SFP+ Transceivers	
		11ac Access Point	
16	units	11ac Access Point, 3x3 MIMO with 1 year warranty	
1	unit	With WiFi Controller	
1	lot	Integrated Data Cabinet	
		Integrated Data Cabinet with; Enclosed cabinet with built-in emergency fan Cabinet dimension: 800mm x 1200mm x 2000mm 5kVA Online UPS	

		3kW Precision Air Cooling Unit	
		Temperature, humidity and water leak sensor	
		Built-in remote monitoring unit	
		Built-in 9-inch touchscreen display	
		with assembly, electrical and mechanical installation and	
		commissioning	
		1 year warranty	
1	lot	Structured Cabling	
		Cat 6 copper cabling works 249 nodes	
		6-core OM3 fiber optic backbone	
		3 runs	
		10G provision	
1	lot	Engineering Services	
		Engineering design, installation and configuration, conduits,	
		consumables	

Terms of Reference

PROCUREMENT OF ONE (1) LOT 249-NODES STRUCTURED CABLING SYSTEM WITH INTEGRATED DATA CABINET

1. General Requirements

- 1.1. The project is to establish a 249 nodes Structured Cabling System with Integrated Data Cabinet at Philippine Council for Agriculture and Fisheries located at DA Compound, Elliptical Road, Diliman Quezon City.
- 1.2. The bidder must conduct ocular site inspection for proper measurement and deployment of proposed equipment
- 1.3. The bidder must provide a Gantt Chart showing the schedule of deployment of various equipment and dependencies
- 1.4. All cabling must be permanently labelled at both ends in accordance with labelling scheme as per TIA/EIA-6065-A.
- 1.5. All Copper & Fiber components must be from the same OEM. Material must have been manufactured in OEM's own manufacturing facilities, not outsourced. Selected bidder must submit ISO certificate for the manufacturing facilities related to all products involved in tender.
- 1.6. The scope to include re-termination of existing cables. This should be structured: use of patch panel and I/O terminal.

2. Technical Specifications

2.1. Copper Cabling

- 2.1.1. All Passive Components must be RoHS (Restriction of Certain Hazardous Substances) compliant. And must clearly be mentioned on datasheets of each Passive Components.
- 2.1.2. The OEM and selected bidder must provide a 25 years warranty for products except for those non end-to-end installation.
- 2.1.3. The 4 Pair Cable, 23 AWG Copper with integral cross -member pair separator for uniform characteristic impedance. Must comply with ANSI/TIA-568-B.2 Category 6 and ISO 11801 2nd Edition Class E channel standards.
- 2.1.4. Cable jacket characteristics must have tensile strength of 100N
- 2.1.5. It must be certified by independent test labs like 3P or Delta to meet Cat - 6 Standards and must be UL Listed.
- 2.1.6. The cable must have 100ohm impedance and data transmission frequencies up to 250MHz.
- 2.1.7. The UTP-based cabling system must use matched components from a single manufacturer.
- 2.1.8. The bidder must be an Accredited or Approved Designer and Installer for the chosen system supplier. The bidder must provide supporting

documentation in the Tender Proposal to demonstrate compliance with the criteria.

- 2.1.9. All components used in the UTP-based cabling system must have a design life and product warranty of 25 years from date of installation against defects in materials.
- 2.1.10. All Outlets complies with Category 6 requirements of the standards ISO/IEC 11801:2002, EN 50173-1: May 2007, DIN EN 50173-1: Dec. 2007 as well as ANSI/TIA/EIA 568-B.2-1, de-embedded tested in acc. with IEC 60603-7-4, interoperable and backwards compatible with Cat.5e and Cat.5.
- 2.1.11. Must be reusable and tool less in design in terms of termination of solid wire installation cable AWG22-24 as well as stranded cables AWG 22/7 – 26/7.
- 2.1.12. A dust cap must be provided on all modular jacks with the circuit number on the identifier strip.
- 2.1.13. Faceplate Material Must be of Poly Carbonate and ABS.
- 2.1.14. Copper cable patch panels must be suitable for mounting in 19” frames within cabling cabinets and must be fixed using securing bolts.
 - Sufficient finger space must be provided around connectors to allow patch cables to be connected and disconnected and to allow individual connectors to be mounted and dismantled without disturbing other adjacent connectors.
 - Panels must accommodate full labelling of every connector.
 - Panels must contain cable support at the rear for cable dressing Cables terminating in connectors must be dressed in the panel with due consideration to minimum bending radius. The cable dressing must not cause permanent indentation of cable sheath.
- 2.1.15. Must provide Category 6 Modular Patch Cords for each assigned port on the patch panel. All cords must conform to the requirements of EIA/TIA 568B cabling Standard, Horizontal Cabling Section, and be part of the UL LAN certification and Follow-up Program.
- 2.1.16. Performance guaranteed with Cat.6, Class E (250 MHz) requirements: ISO/IEC 11801 2nd Edition Compliant with Cat.6 component standards IEC 60603-7-4 and 60603-7-5.
- 2.1.17. Conduits, Aluminum Cable trays with cover or PVCs as needed must be used in suspended ceiling to route all horizontal cabling. Polyvinylchloride Schedule 40 conduit with solvent welded joints. Must be fire retardant and Supplied in different sizes like 25mm, 32mm and 50mm. Distance between supports must not exceed 3000mm.
- 2.1.18. All vertical cable exit points there must be a Pull box of adequate size to accommodate the loop of the cable left to allow for the necessary bending radius and must be connected with a proper adapter for the conduits without exposing the cabling.
- 2.1.19. All vertical & horizontal cabling must be installed in continuous from origin to destination (no splice or joint is allowed).
- 2.1.20. There must be a minimum of 100 mm gap maintained between all IT cable installation and electrical cable installation.

2.1.21. Fire stopping of openings in floors and walls after all conduits or pipes or ducts are in place and sealing of all such openings if not used.

2.1.22. The rack/wall-mount cabinet

- Must be powder-coated
- At least 600mm width and 600mm depth
- With fan on top
- With PDU
- Glass front door, sides can be opened

2.2. Fiber Backbone

2.2.1. Fiber backbone must be OM3 multi-mode

2.2.2. At least 6-core fiber

2.2.3. Must use fiber panel

2.2.4. The panel terminal must be LC terminations

2.2.5. ITU-T G.651, IEC 60793-2-10 compliant

2.3. Integrated Data Cabinet

2.3.1. The cabinet is 800mm wide, 1200mm deep, 2000mm high

2.3.2. 5kVA On-line double conversion UPS and battery cabinet ensures clean power feeding to critical IT equipment. It also provides backup power to emergency fans during power outages.

2.3.3. Has UPS maintenance bypass

2.3.4. Provides up to 3.5kW cooling capacity directly to the IT equipment Front and rear emergency fans automatically run during power outages ensuring continuous air ventilation.

2.3.5. Uses outdoor unit for the cooling system

2.3.6. Equipped with a variable frequency compressor for capacity modulation at part loads

2.3.7. Annualized PUE < 1.5

2.3.8. Single-phase AC input

2.3.9. Level 3 lightning protection

2.3.10. Integrated PDU, 2 pcs

2.3.11. R410 refrigerant

2.3.12. Water leak detection sensor

2.3.13. Door access sensor

2.3.14. Components work as an integrated force

2.3.15. Fully-protected from dust, moisture, and rodents

2.3.16. Emergency temperature control cooling

2.3.17. Integral UPS & back-up autonomy

2.3.18. Standard Class C lighting protection

2.3.19. Integrated fire suppression system, optional

2.3.20. Factory-assembled and pre-loaded

2.3.21. 9" Inch Touch Panel display that provides easy access to information for power, thermal management, and security.

2.3.22. One stop management utility for supervision and management of power, thermal, environment and security ecosystem via the interactive touch-based LCD display

2.3.23. Remote door access control

2.3.24. SMS & Emails can be registered for notifications

- 2.3.25. Provides MCB to the door UPS, Cooling unit, PDU, and UPS bypass. It also provides surge protection
- 2.3.26. The manufacturer must have data center infra management (DCIM) software
- 2.3.27. EMC Standard: EN 55022:2010 EN 61000-3-11:2000 EN 55024:2010 EN 61000-3-12:2011
- 2.3.28. Safety Standard: EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

2.4. Network Switches

General Requirements

- 2.4.1. Must be enterprise-class and vendor is classified leader in Gartner Quadrant
- 2.4.2. Gigabit access ports
- 2.4.3. Web-GUI and CLI manage
- 2.4.4. Supports software-defined networking programming: NETCONF, RESTCONF, YANG, PnP Agent, PnP
- 2.4.5. Stackable
- 2.4.6. Supports enterprise security features
 - Dynamic ARP inspection
 - DHCP poisoning
 - 802.1x
- 2.4.7. MACSec-128
- 2.4.8. Supports VTP protocol
- 2.4.9. Supports CDP protocol
- 2.4.10. **24-port Core Switch**
 - 24-port GE access ports
 - 8 x 10GE SFP+ network module, modular uplink
 - Module network uplink
 - Can stack up to 8 units
 - three field-replaceable fans and support (N+1) redundancy
 - Performance specs:
 - 32,000 MAC address table
 - 32,000 IPv4 routes, 16,000 IPv6 routes
 - 8,000 multicast routes
 - 5000 QoS entries
 - 16MB buffer
 - 64,000 flow entries
 - 8 GB DRAM
 - 16 GB Flash
 - 1000 total layer 3 VLAN interface
 - 200 Gbps switching capacity
 - 680 Gbps switching capacity with stacking
 - Jumbo frame support
 - Supports plug-and-play (PnP)
 - It supports a wide range of automation features and provides robust open APIs over NETCONF, RESTCONF and YANG data models for external tools, both off-the-shelf and custom built, to automatically provision network resources
 - Encrypted traffic analysis (via feature license upgrade)

- unique capability for identifying malware in encrypted traffic coming from the access layer. Since more and more traffic is becoming encrypted, the visibility this feature affords for threat detection is critical for keeping your network secure at different layers
 - Image-signing, the system's software signatures are checked for integrity
 - Stackable, 480 Gbps stacking bandwidth
 - Stack up to 8 units
 - Power stacking, innovative power interconnect system that allows the power supplies in a stack to be shared as a common resource among all the switches. This allows you to simply add one extra power supply in any switch of the stack and either provide power redundancy for any of the stack members or simply add more power to the shared pool.
 - Cross-stack port-channel/port-aggregation
 - Stateful switchover
 - Flexible NetFlow or equivalent
 - Application visibility and control enables advanced application classification techniques
 - bandwidth management and fair sharing, 802.1p Class of Service (CoS) and Differentiated Services Code Point (DSCP) field classification, Shaped Round Robin (SRR) scheduling, Committed Information Rate (CIR), and eight egress queues per port
 - Multicast DNS (mDNS) gateway
 - Web-UI management or command-line interface
 - Energy Efficient Ethernet
 - embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers
 - supports a blue beacon LED for easy identification of the switch being accessed
 - Audio Video Bridging (AVB)
 - supports layer 3 routing and advanced layer 3 routing via feature license upgrade
 - BGP, FHRP, IS-IS, BSR, MSDP, PIM-BIDIR,* IP SLA, OSPF
 - Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, First Hop Security, 802.1X, MACsec-128, CoPP, IP SLA Responder, SSO
 - Supports VRF, VXLAN, LISP, SGT, MPLS, mVPN via feature license upgrade
 - Port mirroring or spanning
- 2.4.11. 48-port PoE Switch**
- 48-port GE access ports
 - 4 x 1GE SFP uplink
 - PoE+ ports
 - Perpetual PoE, that even the switch is restarted, PoE continues to get power from the switch preventing the endpoints to restart and re-initialize
 - Can stack up to 8 units
 - Redundant fans

- Optional redundant power supply
- Performance specs:
 - 16,000 MAC address table
 - 11,000 IPv4 routes
 - 1,000 multicast routes
 - 1000 QoS entries
 - 6MB buffer
 - 16,000 flow entries
 - 2 GB DRAM
 - 4 GB Flash
 - 512 total layer 3 VLAN interface
 - 105 Gbps switching capacity
 - 184 Gbps switching capacity with stacking
- Jumbo frame support
- Supports plug-and-play (PnP)
- It supports a wide range of automation features and provides robust open APIs over NETCONF, RESTCONF and YANG data models for external tools, both off-the-shelf and custom built, to automatically provision network resources
- Encrypted traffic analysis (via feature license upgrade)
 - unique capability for identifying malware in encrypted traffic coming from the access layer. Since more and more traffic is becoming encrypted, the visibility this feature affords for threat detection is critical for keeping your network secure at different layers
- Image-signing, the system's software signatures are checked for integrity
- Stackable, 80 Gbps stacking bandwidth
- Stack up to 8 units
- Cross-sack port-channel/port-aggregation
- Flexible NetFlow or equivalent
- bandwidth management and fair sharing, 802.1p Class of Service (CoS) and Differentiated Services Code Point (DSCP) field classification, Shaped Round Robin (SRR) scheduling, Committed Information Rate (CIR), and eight egress queues per port
- Web-UI management or command-line interface
- Energy Efficient Ethernet
- embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers
- supports a blue beacon LED for easy identification of the switch being accessed
- supports layer 3 routing and advanced layer 3 routing via feature license upgrade
 - FHRP, IS-IS, BSR, MSDP, IP SLA, OSPF
- Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, First Hop Security, 802.1X, MACsec-128, CoPP, IP SLA Responder, SSO
- Supports VRF, VXLAN, LISP, SGT via feature license upgrade
- Port mirroring or spanning

2.4.12. 48-port Non-PoE, 10GE Uplink Switch

- 48-port GE access ports
- 4 x 10GE SFP+ uplink
- PoE+ ports
- Perpetual PoE, that even the switch is restarted, PoE continues to get power from the switch preventing the endpoints to restart and re-initialize
- Can stack up to 8 units
- Redundant fans
- Optional redundant power supply
- Performance specs:
 - 16,000 MAC address table
 - 11,000 IPv4 routes
 - 1,000 multicast routes
 - 1000 QoS entries
 - 6MB buffer
 - 16,000 flow entries
 - 2 GB DRAM
 - 4 GB Flash
 - 512 total layer 3 VLAN interface
 - 176 Gbps switching capacity
 - 256 Gbps switching capacity with stacking
- Jumbo frame support
- Supports plug-and-play (PnP)
- It supports a wide range of automation features and provides robust open APIs over NETCONF, RESTCONF and YANG data models for external tools, both off-the-shelf and custom built, to automatically provision network resources
- Image-signing, the system's software signatures are checked for integrity
- Stackable, 80 Gbps stacking bandwidth
- Stack up to 8 units
- Cross-sack port-channel/port-aggregation
- Flexible NetFlow or equivalent
- bandwidth management and fair sharing, 802.1p Class of Service (CoS) and Differentiated Services Code Point (DSCP) field classification, Shaped Round Robin (SRR) scheduling, Committed Information Rate (CIR), and eight egress queues per port
- Web-UI management or command-line interface
- Energy Efficient Ethernet
- embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers
- supports a blue beacon LED for easy identification of the switch being accessed
- supports layer 3 routing and advanced layer 3 routing via feature license upgrade
 - FHRP, IS-IS, BSR, MSDP, IP SLA, OSPF

- Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, First Hop Security, 802.1X, MACsec-128, CoPP, IP SLA Responder, SSO
- Supports VRF, VXLAN, LISP, SGT via feature license upgrade
- Port mirroring or spanning

2.4.13. 24-port PoE Switch

- 24-port GE access ports
- 4 x 1GE SFP uplink
- PoE+ ports
- Perpetual PoE, that even the switch is restarted, PoE continues to get power from the switch preventing the endpoints to restart and re-initialize
- Can stack up to 8 units
- Redundant fans
- Optional redundant power supply
- Performance specs:
 - 16,000 MAC address table
 - 11,000 IPv4 routes
 - 1,000 multicast routes
 - 1000 QoS entries
 - 6MB buffer
 - 16,000 flow entries
 - 2 GB DRAM
 - 4 GB Flash
 - 512 total layer 3 VLAN interface
 - 56 Gbps switching capacity
 - 136 Gbps switching capacity with stacking
- Jumbo frame support
- Supports plug-and-play (PnP)
- It supports a wide range of automation features and provides robust open APIs over NETCONF, RESTCONF and YANG data models for external tools, both off-the-shelf and custom built, to automatically provision network resources
- Image-signing, the system's software signatures are checked for integrity
- Stackable, 80 Gbps stacking bandwidth
- Stack up to 8 units
- Cross-sack port-channel/port-aggregation
- Flexible NetFlow or equivalent
- bandwidth management and fair sharing, 802.1p Class of Service (CoS) and Differentiated Services Code Point (DSCP) field classification, Shaped Round Robin (SRR) scheduling, Committed Information Rate (CIR), and eight egress queues per port
- Web-UI management or command-line interface
- Energy Efficient Ethernet
- embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers

- supports a blue beacon LED for easy identification of the switch being accessed
- supports layer 3 routing and advanced layer 3 routing via feature license upgrade
 - FHRP, IS-IS, BSR, MSDP, IP SLA, OSPF
- Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, First Hop Security, 802.1X, MACsec-128, CoPP, IP SLA Responder, SSO
- Supports VRF, VXLAN, LISP, SGT via feature license upgrade
- Port mirroring or spanning

2.5. Access Point

- 2.5.1. 802.11ac, backwards compatible with previous Wi-Fi standards
- 2.5.2. Dual-band
- 2.5.3. 3x3 MIMO
- 2.5.4. 2 x GE uplink
- 2.5.5. Guest hotspot
- 2.5.6. Controller-based capable
- 2.5.7. WiFi Controller included

3. Bidder Qualifications

To ensure success of project implementation and satisfactory after-sales support, the bidder must have the following capabilities and qualifications:

- 3.1. The bidder must have office in Metro Manila to provide immediate onsite support if needed.
- 3.2. The bidder must have a valid PCAB license for Communication Facilities issued by Department of Trade and Industry (DTI).
- 3.3. The bidder must have at least four (4) Certified Network Professionals for the proposed networking solutions.
- 3.4. The bidder must have at least two (2) Certified Data Center Specialist (CDCS) certified engineers. This is an industry recognized certification for data center design.
- 3.5. The bidder must have existing 24x7 helpdesk center support facility reachable via SMS, telephone and e-mail.
- 3.6. The bidder must have a project management team.

BILL OF QUANTITIES
ABC: Php 6,998,000.00

	DESCRIPTION	QTY	UOM
24-port Core Switch			
	Layer 3 switch, 24-port GE, 8 x 10GE SFP+ uplink switch, redundant power supply, full layer 3 features	1	unit
	8x5xNBD warranty and technical support, 1 year	1	unit
48-port PoE Access Switch			
	Layer 3 switch, 48-port PoE GE, 4 x GE SFP uplink switch, entry layer 3 features	3	units
	8x5xNBD warranty and technical support, 1 year	3	units
48-port Non-PoE, 10GE Uplink Access Switch			
	Layer 3 switch, 48-port Non-PoE GE, 4 x10GE SFP+ uplink switch, entry layer 3 features	3	units
	8x5xNBD warranty and technical support, 1 year	3	units
24-port PoE Access Switch			
	Layer 3 switch, 24-port PoE, 4 x GE SFP uplink switch, entry layer 3 features	2	units
	8x5xNBD warranty and technical support, 1 year	2	units
10G SFP+ Transceiver			
	10GE Short-range SFP+ Transceivers	6	units
11ac Access Point			
	11ac Access Point, 3x3 MIMO with 1 year warranty	16	units
	With WiFi Controller	1	unit
Integrated Data Cabinet			
	Integrated Data Cabinet with; Enclosed cabinet with built-in emergency fan Cabinet dimension: 800mm x 1200mm x 2000mm 5kVA Online UPS 3kW Precision Air Cooling Unit	1	lot

	Temperature, humidity and water leak sensor Built-in remote monitoring unit Built-in 9-inch touchscreen display with assembly, electrical and mechanical installation and commissioning 1 year warranty		
Structured Cabling			
	Cat 6 copper cabling works 249 nodes	1	lot
	6-core OM3 fiber optic backbone 3 runs 10G provision	1	lot
Engineering Services			
	Engineering design, installation and configuration, conduits, consumables	1	lot

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

- (e) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (f) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (g) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- (h) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (i) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (j) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- (k) The prospective bidder’s computation of Net Financial Contracting

Capacity (NFCC);

or

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

Class “B” Documents

- (l) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
- or**
- duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

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

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

- (o) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

