

BIDDING DOCUMENTS FOR THE DESIGN, IMPLEMENTATION, INSTALLATION, AND COMMISSIONING OF OCOM STRUCTURED CABLING AND WIRELESS INFRASTRUCTURE

Project ID No.: BOC-GOODS-2023-20

December 2023

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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

SECTION I. INVITATION TO BID

"Design, Implementation, Installation, and Commissioning of OCOM Structured Cabling and Wireless Infrastructure"

- 1. The Bureau of Customs (BOC) through the authorized appropriations under the CY 2023 General Appropriation Act (GAA) intends to apply the sum Seventy Million Pesos (PhP70,000,000.00) being the Approved Budget for the Contract (ABC) to payments under the contract for the "Design, Implementation, Installation, and Commissioning of OCOM Structured Cabling and Wireless Infrastructure". Any Bids received in excess of the ABC shall be automatically rejected at the bid opening.
- 2. The Bureau of Customs now invites bids for the above Procurement Project. All bidders should have completed, within five (5) 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 the BOC Bids and Awards Committee (BAC) Secretariat and inspect the Bidding Documents at the address given below during office hours from 8:00 a.m. to 5:00 p.m.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on December 06, 2023 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 Fifty Thousand Pesos (P50,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees to be presented in person.
- 6. The BOC will hold a Pre-Bid Conference on December 13, 2023, 10:45 a.m. at the GSD Conference Room, Ground Floor, OCOM Building, South Harbor, Gate 3, Port Area, Manila, and/or through videoconferencing/webcasting via Microsoft Teams, which shall be open to prospective bidders. The Letter of Intent shall be sent through email, thereafter, confirmation link shall be sent via Microsoft Teams.



- 7. All bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before December 26, 2023, 9:30 a.m. Any 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. The bid opening shall be conducted on December 26, 2023, 10:45 a.m. at the given address below submitted bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 10. The BOC 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 Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
- 11. For further information, please refer to:

BOC-BAC Secretariat General Services Division OCOM Bldg., South Harbor, Gate 3, Port Area, Manila Telefax No. 526-6571

Email address: bacsecretariat@customs.gov.ph

12. You may visit the following websites:

For downloading of Bidding Documents: https://customs.gov.ph/bid-opportunities/

Date issued: December 06, 2023

MICHAEL C. FERMIN Chairperson, BOC-BAC

Section II. Instructions to Bidders

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1. Scope of Bid

The Procuring Entity, Bureau of Customs-Bids and Awards Committee (BOC-BAC) wishes to receive Bids for the "Design, Implementation, Installation, and Commissioning of OCOM Structured Cabling and Wireless Infrastructure" with identification number BOC-GOODS-2023-20.

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

- 2.1. The Government of the Philippine (GOP) through the source of funding as indicated below for FY 2023 General Appropriation Act (GAA) in the amount of Seventy Million Pesos (Php70,000,000.00).
- 2.2. The source of funding is:
 - a. 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 **ITB** 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:
 - a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
 - b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
 - c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following requirements: [Select either failure or monopoly of bidding based on market research conducted]
 - i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent* (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies] of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

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

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 **ITB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII** (Checklist of Technical and Financial **Documents**).
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within five (5) years as provided in paragraph 2 of the **ITB** 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 **ITB** 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, 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:
 - a. Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration¹ 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 April 24, 2024. 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 **ITB**.

¹ 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. 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 **ITB**. 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 one Project having several items that shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant,}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**. The LCB shall likewise submit the required documents for final Post Qualification.}

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

ITB Clause	
1	The Procuring Entity is the Bureau of Customs.
	The name of the Contract is "Design, Implementation, Installation, and Commissioning of OCOM Structured Cabling and Wireless Infrastructure."
	The identification number of the Contract is BOC-GOODS-2023-20.
2	The Funding Source is:
	The Government of the Philippines (GOP) through the authorized appropriations under the CY 2023 General Appropriations Act in the amount of Seventy Million Pesos (Php70,000,000.00).
3	No further instruction.
5	Only Bids for Bidders found to be legally, technically, and financially capable will be evaluated as defined in ITB Clause 5.1.
5.2	Foreign bidders are not allowed.
5.3	The bidder must have completed, five (5) years prior to December 26, 2023 single contract that is similar to the project at hand and whose value must be at least fifty percent (50%) of the ABC to be bid.
	Bidders must include in their Bid a photocopy of Single Largest Completed Contract, Notice of Award (NOA), Notice to Proceed (NTP), Technical Inspection and Acceptance Committee (TIAC) Report or Certificate of Final Acceptance Report or equivalent in the Private Sector.
	Failure to submit a copy of Single Largest Completed Contract with proof of Completion or a failure against the veracity of such shall be a ground for disqualification of the bidder for award and forfeiture of the bid security.
	For this purpose, similar contract shall refer to "ICT Network Equipment with Wireless Infrastructure"
5.4	Joint Venture is not allowed.
7.1 (a)	Subcontracting is not allowed.
8	The BOC will hold a Pre-Bid Conference on December 13, 2023, 10:45 a.m. at the GSD Conference Room, Ground Floor, OCOM Building, South Harbor, Gate 3, Port Area, Manila, and/or through videoconferencing/webcasting via Microsoft Teams, which shall be open to prospective bidders.
14.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:

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	 The amount of not less than ₱1,400,000.00, or 2% if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; The amount of not less than ₱3,500,000.00, or 5% if bid security is in
	Surety Bond.
15	Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid with proper tabs.
	All documents within the Bid (both Original and 2 copies), along with any accompanying attachments like brochures etc., must be originally certified as true copies by the authorized representative.
19.3	Partial bids are not allowed. All Goods are grouped in lots listed below. Bidders shall have the option of submitting a proposal on any or all lots and evaluation and contract award will be undertaken on a per lot basis. Lots shall not be divided further into sub-lots for the purpose of bidding, evaluation, and contract award.
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 the following documents:
	1. Must submit a certification issued by the product manufacturer that bidder is a certified partner.
	 Certificate of Performance Evaluation: Certificate or any document showing project completion with at least a satisfactory rating. Required Licenses or Certification: Business registration or equivalent document on the previous project.
	4. Latest Income Tax Return and business Tax Return with proof of payment (filed and paid through BIR Electronic Filing and Payment System (eFS).
	5. VAT Returns (Form 2550M and 2550Q) or Percentage Tax Returns (2551M) with proof of payment covering the last 6 months;
	6. Latest Audited Financial Statement; and7. Mayor's Permit, Tax Clearance and DTI or SEC Registration.
21.1	No further instruction

Section IV. General Conditions of Contract

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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

GCC Clause	
1	Delivery and Documents –
	The Goods shall only be delivered by the supplier as indicated in Section VI. Schedule of Requirements. Moreover, the delivery schedule as indicated in Section VI. Schedule of Requirements may be modified at the option of the Procuring Entity, with prior due notice, written or verbal, to the Supplier.
2.2	Payment shall be made after formal acceptance of deliverables, and
	10% shall be retained until completion of contract.
3	No further instructions.
4	Inspections and Tests
	Complete Goods shall be inspected and/or tested by the End User based in Section VII. Technical Specifications.
5.1	Warranty based on the Technical Specification.
5.2	No further instructions.
6	No additional provision.

Section VI. Schedule of Requirements

Item	Description	Delivery Date			
1	 Supply, installation, termination and testing of UTP Structured cabling system for the Bureau of Customs' end user data/wireless data nodes using UTP Cat6 based on TIA/EIA (Telecommunications Industry Association/Electronic Industries Alliance) standard. Supply, installation, and configuration of network equipment. Integration and installation of the existing BOC active network equipment. Supply, delivery, and installation of data nodes Civil works. Supply, delivery, installation, and configuration of wireless network devices. 	Delivery within one hundred ninety (190) calendar days upon after receipt of Notice to Proceed to be delivered in Customs ICT Center, Gate 3, South Harbor, Port Area, Manila			

I hereby commit to comply and deliver the above requirements.

Name of Company (in print)
Signature of Company Authorized Representative
Name & Designation (in print)
 Date

Section VII. Technical Specifications

STATEMENT OF COMPLIANCE TO TECHNICAL SPECIFICATIONS

A. INSTRUCTION:

The bidder must state in the last column opposite each parameter and required specifications either "Comply" or "Not Comply". All pages shall be properly signed. Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause above goods manufactured by us.

Ite	Specifications					
m						
	 ➤ Structured Cabling The wired network infrastructure will serve as the backbone for both external and internal ICT services of the Integrated ICT Solution. A distributed type of data structured cabling system will be installed, wherein there is a Main Distribution Frame (MDF) and Intermediate Distribution Frames (IDFs). The MDF will be installed in the Data Center of the ICT Office located at the 3rd Floor of the ICT Building of Bureau of Customs. There are areas in every building that have data rack or cabinet that will serve as network termination of all the horizontal and vertical cables. Single mode fiber optic and Cat 6 UTP cable will be used for the backbone uplink for the each building and Cat 6 UTP cable will be used for horizontal cabling for all data and access point ports. Scope for Horizontal Cabling for Access Point and WLAN Horizontal Cabling All cables of access point and data should be terminated into patch panels. Information Outlet Should accommodate a minimum of two position/8-conductor modular jacks. Should support industry standards for T568B or T568A wiring options on each individual outlet. For Electrical Specification the following requirements shall also be met (NEXT Loss and FEXT tested in both Differential and Common mode): Refer to Category 6 Parameters standard for 					

ANSI/TIA/EIA 568-B and ISOIIEC 11801 category 6 compliant.

- Faceplate
 - Should be applicable to copper applications.
 - Should have write on designation labels for circuit identification.
- Equipment / MDF / IDF side
 - Should use Cat 6 UTP patch cords for patching of horizontal cabling from Patch Panels to Active Equipment/Switches
- Installation and Mounting of IDF Cabinets
 - All areas that have no existing data cabinet will be supplied and mounted by the vendor including electrical power supply.
 - All areas with existing cabinet that has already defective and need to be replacing by new cabinet including electrical power supply will also be supplied by the vendor.
- Data Rack Specification
 - Preferably selection of the following:
 - Integrated single rack system must have cooling unit
 - Wall mounted data rack
 - Must have 19" standard rack system.
- Data rack quantity:
 - Integrated single rack system, 4 units.
 - Wall mounted data rack, 15 units
 - Integrated Single Rack System and Wall Mounted Data Rack Allocation

Building	Integrated Rack	Data Rack	
IAS Building	1 unit	1 unit	
Gym (Temporary POM)	1 unit	1 unit	
ESS Building		2 units	
IAS Extension Building		1 unit	
X-Ray Building		1 unit	
CRIC Building	1 unit	1 unit	
OCOM Building		4 units	
Old NPO Building		2 units	

X-Ray Yard		1 unit
POM Building	1 unit	1 unit

• Testing of Terminated cables

- The winning vendor shall be required to test and to provide test results of all cables supplied and terminated.

Cable Standard Compliance

- Termination Module
 - The Category 6 horizontal 4 pair solid cable to connect each telecommunication outlet.
- Twisted Pair
 - The Cat 6 insulated conductors shall be twisted into pairs, with pairs balanced for maximum performance and noise reduction.
- Maximum Pulling Tension
 - The cable must have 108N of pulling tension.
- UL Compliance
 - The 4-pair UTP cable should be Underwriter Laboratories (UL) listed as type CM or CMR; or be nominated as LSZH to IEC 60332-1-2.
- IEEE Specification Compliance
 - All horizontal UTP cable must meet requirement specified for current applications such as IEEE 802.3, 10/100/1000 BASE T; IEEE 802.5, 4/16/100Mbps; ATM Forum 52/155/622/1200 Mbps, 1 Gigabit Networking.
- Patch Panel & Patch Cords
 - Plug Insertion Life
 - The patch panel modular patch panel will have a plug insertion life of Level B reliability to IEC 60603-7.
- Patch Cord Minder
 - The patch panel patch cord Minders shall be fitted so that there is one patch cord minder for every patch panels
- Patch Cord System Lead
 - Cat 6 patch cords and copper System Leads for crossconnection and/or inter-connection of termination modules, patch panels and network equipment
- Matching Brand Termination module
 - The type of patch cords and system leads shall match the termination and brand of module used, i.e. 4-pair Cat 6 modules or Cat 6 RJ45 patch panel and the Cat 6 Information Outlet.
- Labelling
 - Patch panel and patch cord should be labelled in accordance to the corresponding I/O termination allocated in the office location.
- Documentation Termination Record

- All termination should be documented and properly delivered to DILG upon turnover and will be the basis of maintenance and troubleshooting.
- Cabling Workmanship
 - The vendor shall provide a 1-year workmanship maintenance that will start only after the acceptance and turnover
- Fiber Backbone Cabling Specification
 - Infrastructure Backbone
 - The fiber optic cable shall be the backbone for every building going to ICT building.
 - Fiber Patch Panel Installation
 - All fiber cabling shall be terminated on a fiber patch panel.
 - Testing of fiber connection
 - All terminated fiber backbone shall be tested and documented with industry standard cable analyser.
- Cable Standard Compliance should be as follows:
 - AS/NZS 3084
 - Commercial Building Standard for Telecommunications Pathways and Spaces in (in accordance with ISO/IEC 18010:2002, MOD, ANSI/TIA-569-C)
 - AS/NZS 3085.1
 - Administration of Communications Cabling Systems –
 Basic Requirements (in accordance with ISO/IEC 14763 1)
 - AS/NZS ISO/IEC 14763-3
 - Implementation and Operation of Customer Premises
 Cabling Part 3: Acceptance for Optical Fibre Cabling
 - ISO/IEC 11801 Ed 2
 - Information Technology Generic Cabling for Customer Premises – A to F
- Optical Fiber Specification
 - Fiber Core
 - The Optical fiber must have a 9/125µm Fibre.
 - Maximum fibre loss
 - The fiber loss should be in the following specification 3.5dB/km at 850nm and 1.5 dB/km at 1300nm
 - Minimum bandwidth
 - The fiber minimum bandwidth should be 200 MHz.km at 850 nm and 500 MHz.km at 1300 nm
 - Max length for GBE
 - The max length should be the following 300m at 850nm and 550m at 1300nm
- Termination Module
 - Mounting
 - The 19" rack mount fiber termination unit shall consist of a frame mountable housing for terminating and/or

splicing fiber optic cables and allow for organization of the fiber optic interconnects

- Slots on Termination
 - The 19" rack-mounting unit should be either 12 or 24 ports, 4 slots for one rack unit (1RU) and can be either a fixed position unit.
- Connectors
 - Connectors on all single mode fiber.
- Patch Cords
 - Fiber Core
 - The patch must consist of one or two single, tight buffered, multimode or single mode fiber.
 - Factory terminated connectors
 - The patch cords should be factory terminated with LC-SC connectors at each end.
 - Minimum bend radius
 - The specification for bend radius should be 25 mm
 - Operating temperature
 - The operating temperature should be -40 to +75° C
- Warranty and Brand
 - Warranty
 - The brand shall provide at least a 20 year Warranty the fiber cabling if system will be subjected to system warrant.
- Access Point and Data Port Tabulation

Buildi ng	Floor	Acce ss Poin t (AP indo or) Data port	Acces s Point (AP outd oor) Data port	Data Port Provi sion	Data Port Re- Cabling Distrib ution	Data Center Fiber Backbo ne Distrib ution (SM)	Vertical Fiber Backbo ne Distrib ution (SM)	Cat 6 UTP Cable Backbo ne Distrib ution	Existin g Manag e Switch (reloca tion)
IAS	Gnd	2	1	2	48	1 x 12core FOC			2 x 4 Cat 6 Patch cord
	2nd	3	0	3	34				
IAS Exten sion	Gnd	1	0	1	30			5 x Cat 6	
XRAY	Gnd	1	0	1	2			5 x Cat 6	
	2nd	1	0	1	10				
POM Gym	Gnd	9	0	0	0			3 x 4 Cat 6	3 x 4 Cat 6 Patch Cord
	Mezza nine	1	0	6	0			5 x Cat 6	
ESS	Gnd	15	0	11	50	1 x 12core FOC			
	2nd	11	0	7	30			5 x Cat 6	
	Gnd	13	1	8	71			5 x Cat 6	2 x 4 Cat 6 Patch Cord
CRIC	2nd	10	0	7	49				
	3rd	11	0	7	94	1 x 12core FOC			4 x 4 Cat 6 Patch cord
	Gnd	11	1	11	98			5 x Cat 6	1 x 4 Cat 6 Patch cord
OCO M	Gild	15	1	14	87			5 x Cat 6	1 x 4 Cat 6 Patch cord
	2nd	12	0	10	100	1 x 12core FOC			4 x 4 Cat 6 Patch cord

TOTAL		151	5	121	839	6	2	12	19
	Zilu	0	0	0	0		1 x 12 core FOC		
POM Buildi ng	2nd	0	0	0	0	1 x 24 core FOC			
	Gnd	0	0	0	0		1 x 12 core FOC		
ng	3rd	3	0	3	10				
Buildi	2nd	4	0	4	10				
XRAY Yard	Gnd Gnd	1	0	1	10		Point to Point AP		
	2nd	6	0	6	24			5 x Cat 6	
Old NPO	Gnd	7	0	7	24	1 x 12core FOC			1 x 4 Cat 6 Patch cord
		11	0	8	43			5 x Cat 6	1 x 4 Cat 6 Patch cord

> Network Equipment (Physical)

Quantity	Item	Specification
2	Network Core	48-Port fiber SFP+ ports
	Switch	that supports 10GE and
	Replacement	25GE
20	Network Access	(48) RJ-45 downlink ports
	Multigigabit PoE	that consist of eight (8)
	Switches	Multigigabit
		1G/2.5G/5G/10G Ethernet
		ports and forty (40) 1G
		Ethernet ports with four (4)
		Ten Gigabit SFP+ ports
22	Network Access	(48) 10/100/1000 Ethernet
	Non-PoE	ports with four (4) Ten
	Switches	Gigabit SFP+ ports

- ➤ Supply, installation and configuration of 2 Units Network Core Switches of at least forty-eight (48) fiber SFP+ ports that supports 10GE and 25GE with the following specification:
 - Physical Specification

- Must have at least forty-eight (48) fiber ports that are capable of supporting 1-, 10- and 25-

Gbps for deployment flexibility and investment
protection

- Must have dedicated four (4) fiber uplink ports that are capable to work as 40- and 100-Gbps
- Must have redundant Platinum-rated fieldreplaceable AC power supplies
- Must have hot-swappable and fieldreplaceable fans
- Must have clustering technology where it connects the two Distribution switches into a single virtual switch
- Must have sixteen (16) units of 10G Base-LR
 Singlemode Fiber SFP modules
- Must have four (4) units of 10/100/1000 Base-T Copper SFP modules
- Must have three (3) units of 3-meter 10G Copper direct attached cable
- Must have sixty-four (64) units of 10/100/1000
 Base-T Copper SFP modules for existing copper connections used on existing Core Switch (for validation of actual quantity needed on new Core Switch)
- Performance and Scalability must have the following:
 - Forwarding Rate 1 Bpps
 - Switching Capacity 3.2 Tbps
 - Flash Memory 16 GB
 - DRAM 16 GB
 - Switched Virtual Interface 4000
 - IPV4 routing entries 90,000
 - IPV6 routing entries 90,000
 - Flow collection 250.000
 - Packet buffer 36 MB

Features

- Must have built-in Web UI for GUI-based device management
- Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers
- Must be capable of supporting external bluetooth dongle which can be connected to the switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer.
- Must have advanced Layer 3 routing protocols such as OSPF, BGP, IS-IS, VRF, and OSPv3.

- Must have support for IEEE 802.1ae MACsec with AES-256 bit encryption on all ports which provides link-layer data confidentiality, data integrity, and data origin authentication, helping to minimize denial-of-service (DoS) and other threats
- Must have feature to allow user customize templates to modify TCAM resource allocation to maximize system usage for a specific function
- Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection up to of at least 250,000 flows
- Must be capable of supporting in-service software upgrade (ISSU) when two switches are clustered into a single logical switch to eliminate network downtime during software image upgrades
- Must be capable of supporting software patch fixes during operation that can take effect without reloading the switches to minimize traffic impact
- Must support open APIs over NETCONF and RESTCONF using YANG data models
- Must be capable of supporting hot-swappable SATA SSD storage with up to 960GB capacity for container-based application hosting
- Hardware must be ready to support fabricbased architecture that provides simplified way to enable business policy-based automation across network
- Must have digitally signed software to protect against insertion of counterfeit and tampered software

STANDARD

- IEEE 802.1p
- IEEE 802.1D
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.3ad
- SNMPv1, SNMPv2c, and SNMPv3

- Supply, installation and configuration of 20 units Network Access Multigigabit PoE Switches of at least forty-eight (48) RJ-45 downlink ports that consist of eight (8) Multigigabit 1G/2.5G/5G/10G Ethernet ports and forty (40) 1G Ethernet ports with four (4) Ten Gigabit SFP+ ports with the following specification:
 - Physical Specification must have the following:
 - Must have forty-eight (48) RJ-45 downlink ports that consist of eight (8) Multigigabit 1G/2.5G/5G/10G Ethernet ports and forty (40) 1G Ethernet ports with network module slot for deployment flexibility. Must include four (4)-port Ten Gigabit SFP+ based network module.
 - Must support IEEE 802.3at PoE+ on all ports and can support at least 1400W PoE power budget.
 - Must be capable of providing uninterrupted PoE power to attached PoE-enabled devices even when the switch is booting, so that there is no disruption during a switch reboot.
 - Must be capable of backplane stacking up to eight (8) switches as single virtual switch using dedicated stack ports to support at least 160 Gbps stacking bandwidth for operational efficiency. Dedicated stacking cables must be included.
 - Must have dual field-replaceable AC power supply
 - Must have redundant field-replaceable fans
 - Must have support for IEEE 802.1ae MAC Security (MACsec) with Advanced Encryption Standard (AES)-128-bit encryption
 - Must have fourteen (14) units of 10G Base-LR
 Singlemode Fiber SFP modules
 - Must have six (6) units of 10G Base-SR Multimode Fiber SFP modules
 - Must have two (2) units of 3-meter 10G Copper direct attached cable
 - Performance and Scalability; must at least have the following:
 - Forwarding Rate 295 Mpps
 - Switching Capacity 400 Gbps
 - Flash Memory 4 GB
 - DRAM 4 GB
 - VLAN IDs 4000

- MAC address 32,000
- Switched Virtual Interfaces 1000
- Flow Collection 15,000 Flows

3.1.1.2. Features

- Must have built-in Web UI for GUI-based device management
- Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers
- Must be capable of supporting external bluetooth dongle which can be connected to the switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer.
- Must be capable of attempting to automatically reactivate a link that is disabled because of a network error
- Must support Dynamic ARP Inspection
- Must support IP Source Guard
- Must support port-based traffic control mechanism such as storm control, protected ports, port blocking and port security
- Must have support for Layer 2 and basic Layer
 3 routing protocols such as static, RIPv2,
 RIPng, PBR and routed access.
- Must support 802.1p Class of Service (CoS), Quality of Service (QoS), Differentiated Services Code Point (DSCP) field classification, Committed Information Rate (CIR) and Shaped Round Robin (SRR) scheduling.
- Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 15,000 flows.
- Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.
- Must support open Application Programming Interfaces (APIs) over NETCONF and RESTCONF using YANG data models.
- Hardware must be ready to support fabricbased architecture that provides simplified way to enable business policy-based automation across network

-	Must have digitally signed software to protect
	against insertion of counterfeit and tampered
	software

STANDARDS

- IEEE 802.1p
- IEEE 802.1D
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.3ad
- SNMPv1, SNMPv2c, and SNMPv3
- ➤ Supply, installation and configuration of 22 units (48) 10/100/1000 Ethernet ports with four (4) Ten Gigabit SFP+ ports with the following specification:
 - Physical Specification must have the following:
 - Must have forty-eight (48) 10/100/1000 Ethernet ports with network module slot for deployment flexibility. Must include four (4)port Ten Gigabit SFP+ based network module.
 - Must be capable of backplane stacking up to eight (8) switches as single virtual switch using dedicated stack ports to support at least 160 Gbps stacking bandwidth for operational efficiency. Dedicated stacking cables must be included.
 - Must have dual field-replaceable AC power supply
 - Must have redundant field-replaceable fans
 - Must have support for IEEE 802.1ae MAC Security (MACsec) with Advanced Encryption Standard (AES)-128-bit encryption
 - Performance and Scalability; must at least have the following:
 - Forwarding Rate 129 Mpps
 - Switching Capacity 174 Gbps
 - Flash Memory 4 GB
 - DRAM 4 GB
 - VLAN IDs 4000
 - MAC address 32.000
 - Switched Virtual Interfaces 1000
 - Flow Collection 15,000 Flows

- Features
 - Must have built-in Web UI for GUI-based device management
 - Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers
 - Must be capable of supporting external bluetooth dongle which can be connected to the switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer.
 - Must be capable of attempting to automatically reactivate a link that is disabled because of a network error
 - Must support Dynamic ARP Inspection
 - Must support IP Source Guard
 - Must support port-based traffic control mechanism such as storm control, protected ports, port blocking and port security
 - Must have support for Layer 2 and basic Layer
 3 routing protocols such as static, RIPv2,
 RIPng, PBR and routed access.
 - Must support 802.1p Class of Service (CoS),
 Quality of Service (QoS), Differentiated
 Services Code Point (DSCP) field
 classification, Committed Information Rate
 (CIR) and Shaped Round Robin (SRR)
 scheduling.
 - Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 15,000 flows.
 - Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.
 - Must support open Application Programming Interfaces (APIs) over NETCONF and RESTCONF using YANG data models.
 - Hardware must be ready to support fabricbased architecture that provides simplified way to enable business policy-based automation across network
 - Must have digitally signed software to protect against insertion of counterfeit and tampered software

STANDARDS

- IEEE 802.1p
- IEEE 802.1D
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.3ad
- SNMPv1, SNMPv2c, and SNMPv3

Civil Works

- Creation of ceiling manholes along hallways for PVC pipes and support access.
- Restoration of ceiling and aesthetic finish.
- Painting Works

Wireless Network Infrastructure

91	Wireless Indoor Access Point	802.11ax Wi-Fi 6 Indoor access point with 1/2.5Gbps Multigigabit RJ45 port
5	Wireless Outdoor Access Point	802.11ax Wi-Fi 6 Outdoor access point for open areas
2	Wireless LAN Controller	Two (2) 1/10G SFP+ based ports; capable of supporting up to 5,000 wireless client
2	Wireless Network Access Control Appliance	2 x 10GBase-T and 2 x 10G SFP+ based ports, 12 cores per processor, at least 32 GB memory

- ➤ Supply, installation and configuration of 91 units 802.11ax Wi-Fi 6 Wireless Indoor Access Point with the following specification
 - Physical Specification must have the following:
 - Must have 1x100/1000/2500 BASE-T Multigigabit Ethernet RJ-45 uplink interface
 - Must be capable of supporting 4x4 MIMO with up to four spatial streams in 2.4 GHz and 4x4 MIMO with up to four spatial streams in 5GHz
 - Must have integrated dual-band omnidirectional antenna with antenna gain of 4 dBi in 2.4GHz and 5 dBi in 5GHz
 - Must be capable to draw power from PoE (802.3at) Switch or Power injector

- Must have RJ-45 management console port and USB 2.0 port
- Must include accessory kit for mounting
- Must be capable of supporting input power options such as 802.3af, 802.3at and 802.3bt
- Performance and Scalability, must at least have the following:
 - Must be capable of providing maximum aggregate data rate of up to 5.2 Gbps
 - Must support IEEE 802.11ac Wave 2 and must be backward compatible with 802.11a/b/g/n clients
 - Must have feature that can automatically detect sudden high-density environment changes, adjust the radio operating mode to adapt to these changes and provide better mobile user experience.
 - Must be capable of supporting the following radio operating modes for flexibility:
 - Able to serve clients on both 2.4 GHz and 5 GHz
 - Able to serve clients on both 5-GHz radios
 - Able to scan both 2.4 GHz and 5 GHz for security threats while also serving 5-GHz clients

Features

- Must support IEEE 802.11ax Wi-Fi standard
- Must support uplink and downlink OFDMA
- Must support multiuser Multiple-Input, Multiple-Output (MU-MIMO)
- Must support Target Wake Time (TWT) for client power saving mode
- Must support Dynamic frequency selection (DFS) to optimize the use of available RF spectrum
- Must support Maximum ratio combining (MRC) for improved receiver performance
- Must support Cyclic shift diversity (CSD) for improved downlink RF performance
- Must have dedicated radio spectrum monitoring capabilities that can provide comprehensive interference analysis without compromising client serving radios

	Must be capable of detecting DFS signals using dedicated radio to improve accuracy and reduce DFS false detections without compromising client serving radios
-	Must have feature to support off channel
	scanning using dedicated radio without compromising client serving radios
	Must support WPA3, WPA2, AES and 802.1X
	Authentication
-	Must have at least 1G flash and 2GB DRAM
	for capacity and scalability
	Must have integrated Bluetooth Low Energy 5 radio
	Must have built-in software-defined radio
	(SDR) that can deliver advanced RF spectrum
	analysis '
	Must have capability to support containers to
	host applications for future IoT use
	Must be capable to be deployed on networks with or without a physical controller for
	deployment flexibility option
	Must have digitally signed software to protect
	against insertion of counterfeit and tampered
	software
	Hardware must be ready to support fabric-
	based architecture that provides simplified way to enable business policy-based
	automation across network
Supply. installation and	I configuration of 5 units 802.11ax Wi-Fi 6
Outdoor Access Point	with shielded outdoor-rated RJ-45 Ethernet point with the following specification:
Physical Specification	fication must have the following:
	Must have 1x100/1000/2500 BASE-T
	Multigigabit Ethernet RJ-45 uplink interface
	Must be able to use shielded outdoor-rated
	RJ-45 Ethernet cable for the uplink of access
	point to the switch
	Must have 1G SFP based port to support fiber
	backhaul Must include external dual-band
	omnidirectional antenna with gain of 6 dBi at
	2.4 GHz and 8 dBi at 5 GHz
-	Must be capable of supporting 4x4 MIMO with
	up to four spatial streams in 2.4 GHz and 2x2
	MIMO with up to two spatial streams in 5GHz

- Must be capable to draw power from PoE (802.3at) Switch or Power injector
- Must have RJ-45 management console port
- Must include necessary accessory kits for mounting and installation including Cat6 RJ-45 glands, low loss coaxial cables and lightning arrestors
- Performance and Scalability, must at least have the following:
 - Must be capable of providing maximum aggregate data rate of up to 5.2 Gbps
 - Must support IEEE 802.11ac Wave 2 and must be backward compatible with 802.11a/b/g/n clients
 - Must support various deployment options such as wireless client access and point-to-point bridging, point-to-multipoint bridging, and point-to-multipoint mesh wireless connectivity.
 - Must support dual band radio for client access on five (5) units of Outdoor Access Point for identified open areas in BOC
 - Must include 802.3bt 60W PoE injector to power up outdoor AP for full operation without restriction and have 1 Gbps UTP uplink connection to the switch
 - Must be capable of supporting input power options such as 802.3af, 802.3at and 802.3bt

Feature Specification:

- Must support IEEE 802.11ax Wi-Fi standard
- Must support uplink and downlink OFDMA
- Must support multiuser Multiple-Input, Multiple-Output (MU-MIMO)
- Must support Target Wake Time (TWT) for client power saving mode
- Must support Dynamic frequency selection (DFS) to optimize the use of available RF spectrum
- Must support Maximum ratio combining (MRC) for improved receiver performance
- Must support Cyclic shift diversity (CSD) for improved downlink RF performance
- Must have dedicated radio spectrum monitoring capabilities that can provide

	comprehensive interference analysis without	
	compromising client serving radios	
-	Must be capable of detecting DFS signals	
	using dedicated radio to improve accuracy	
	and reduce DFS false detections without	
	compromising client serving radios	
-	Must have feature to support off channel	
	scanning using dedicated radio without	
	compromising client serving radios	
-	Must support WPA3, WPA2, AES and 802.1X	
	Authentication	
_	Must have integrated Bluetooth Low Energy 5	
	radio	
_	Must have built-in software-defined radio	
_	(SDR) that can deliver advanced RF spectrum	
	analysis	
-	Must be capable to be deployed on networks	
	with or without a physical controller for deployment flexibility option	
	Must have digitally signed software to protect	
-	against insertion of counterfeit and tampered	
	software	
-	Hardware must be ready to support fabric-	
	based architecture that provides simplified	
	way to enable business policy-based	
	automation across network	
-	Must have military grade certification for its	
	environmental protection	
-	Must be IEC 60529 IP67 compliant	
Supply, installation a	nd configuration of 2 units Wireless LAN	
Controller with two (2)	1/10G SFP+ based ports, must include license	
to manage and suppor	t 96 proposed Access Point; with the following	
specification:		
•		
Hardware Spe	ecification must have the following:	
	Ŭ	
-	Must have four (4) 2.5G/1G Multigigabit	
	Ethernet RJ-45 ports and two (2) Ten Gigabit	
	SFP based ports	
_	Must have dedicated redundant port for High	
	Availability	
<u>-</u>	Must have an RJ-45 and micro-USB console	
	ports for out-of-band management options	
<u>-</u>	Must have an RJ-45 management port	
_	Must have USB 3.0 port to allow pluggable	
	storage for external memory to perform	
	software upgrade/image transfers	
	sortware upgrade/image transiers	

- Must be equipped with single AC power supply
- Must include two (2) units of 3-meter 10G
 Copper direct attached cable per WLC for dual
 10G Copper uplink connection to Core Switch
- Performance and Scalability must have the following:
 - Must be capable of supporting up to 250
 Access Points
 - Must be capable of supporting up to 5 Gbps
 Throughput
 - Must be capable of supporting up to 5,000 concurrent wireless clients
 - Must be able to upgrade and scale up to 500 access points, 10,000 concurrent wireless clients and 9 Gbps throughput using software license without having to buy new hardware
- Feature Specification must have the following:
 - Must have built-in Web User Interface (UI) for Graphical User Interface (GUI) -based device management
 - Must be capable of supporting external bluetooth dongle which can be connected to the switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer.
 - Must have support for AP and Client Stateful Switchover (SSO)
 - Must have feature for rogue access point detection
 - Must have feature that provides real-time RF management and resource monitoring of wireless network
 - Must have feature that detects, identifies interference sources in the spectrum impacting the wireless network to proactively change channel for continuous reliable operation.
 - Must support IEEE 802.11ax Wi-Fi standard
 - Must support Wi-Fi Protected Access 3 (WPA3)
 - Must have fully programmable multi-core processor operating system to support open APIs over NETCONF and RESTCONF using YANG data models

- Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements
- Must have digitally signed software to protect against insertion of counterfeit and tampered software
- Hardware must be ready to support fabricbased architecture that provides simplified way to enable business policy-based automation across network
- Must include licenses required to centrally manage proposed ninety-one (91) indoor and five (5) outdoor Wi-Fi 6 access points
- > Supply, installation and configuration of 2 units Wireless Network Access Control Appliance with the following specification:
 - Hardware Specification and Scalability must have the following
 - Can support stand-alone or distributed deployment
 - Can support license-sharing in a distributed/HA deployment
 - Can support 25,000 concurrent active endpoints
 - Have at least 12 cores per processor
 - Have at least 32 GB memory
 - Have 600-GB 12GB SAS 10K RPM hard disk
 - Have at least 2 x 10GBase-T ports and 4 x 10GE SFP+ ports
 - Feature Specification must have the following:
 - Must provide a security policy management platform that provides secure access to network resources by combining the authentication, authorization, accounting (AAA) services, and profiling services into one appliance.
 - Must support the following list of protocols that can be choosen while defining the authentication policy:
 - Password Authentication Protocol (PAP)

- Protected Extensible Authentication Protocol (PEAP)
- Microsoft Challenge Handshake Authentication Protocol Version 2 (MS-CHAPv2)
- Extensible Authentication Protocol-Message Digest 5 (EAP-MD5)
- Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)
- Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST)
- Extensible Authentication Protocol-Tunneled Transport Layer Security (EAP-TTLS)
- Protected Extensible Authentication Protocol-Transport Layer Security (PEAP-TLS)
- Must have 802.1X, MAC authentication bypass (MAB), and browser-based Web authentication login support for basic user authentication and access via both wired and wireless networks.
- Must support Internal Identity Source
- Must be capable to connect with external identity sources such as Active Directory, LDAP, RADIUS Token, and RSA SecurID servers to obtain user information for authentication and authorization.
- Must support granular types of Authentication Failure notifications:
 - Received explicit response that authentication has failed such as bad credentials, disabled user, and so on.
 - No such user was found in any of the identity databases.
 - Unable to access the identity database or databases.
- Can support Bring Your Own Device (BYOD)
 device registration and provisioning, with a
 built-in certification authority through enabling
 the appropriate license needed.
- Must have feature/service for Guest Management wherein all aspects of a guest user session (including account creation and termination) are tracked and recorded so that you can provide audit information and troubleshoot session access, as necessary.

- Must have the capability to configure guest access privileges by defining their guest type and assign sponsor privileges for creating and managing guest accounts.
- Must have various default Guest Portals (e.g. Hotspot Guest Portal; Sponsored-Guest Portal; Self-registered Guest Portal)
- Can support Profiling Feature/Services for the identification of the devices that connect to your network through enabling the appropriate license needed.
- Must support RADIUS CoA (Change of Authorization) feature that enables more control over the endpoints that are already authenticated.
- Must support Active Directory with Multidomain forest.
- Must support Downloadable ACLs.
- Must be capable of creating policy sets, which let you group sets of authentication and authorization policies that offers you the capability to logically define the organization's IT business use cases into policy groups or services. As opposed to the basic authentication and authorization policy model, which is a flat list of authentication and authorization rules.
- Can support device administration using the Terminal Access Controller Access-Control System (TACACS+) security protocol to control and audit the configuration of network devices through enabling the appropriate license needed.
- Monitoring and Reporting Specification:
 - Must be capable in exporting report data in the following file formats:
 - Comma Separated Values (.csv) file.
 - Adobe Acrobat Document (.pdf) file
 - Must be capable with customizable reports and scheduling of reports.
 - Must have (but not limited to) the following preconfigured NAC Audit Reports:
 - Historical reporting of all network sessions for each endpoint
 - Administrator Logins report
 - Change Configuration Audit report

- Data Purging Audit report records when the logging data is purged
- Must have (but not limited to) the following preconfigured NAC Diagnostic Reports:
 - AAA Diagnostics report
 - Health Summary report
 - RADIUS Errors report
- Must have (but not limited to) the following preconfigured NAC Endpoints-and-Users Reports:
 - Authentication Summary report
 - Current Active Sessions report
 - Profiled Endpoints Summary report
 - How long users have been on the network
 - History of authentication failures and successes
 - Registered Endpoints report
 - Top Authorization by Endpoint (MAC address) report
 - Top Authorization by User report
- Must have (but not limited to) the following preconfigured NAC Guest Reports:
 - Guest Accounting report
 - Sponsor Login and Audit report
- Proposed NAC Solution must be compatible with the proposed Wireless LAN Controller
- Must provide secure wireless access for at least 1000 concurrent users
- Additional Components on Existing Cisco Switch in Pre-Fabricated Building to connect to CRIC Building

1	10G SFP+ Network Module	8x10G Network Module for existing Cisco Catalyst 9300 Switch
2	10G Base-SR Multimode Fiber SFP modules	10G Base-SR Multimode Fiber SFP modules for existing Cisco Catalyst 9300 Switch

- Supply, installation and configuration of Integrated rack with built-in Cooling, UPS and Monitoring System
 - Integrated Single Rack System
 - Total Quantity, 4 units
 - Integrated Single Rack System Allocation

Building	Quantity
IAS Building	1 unit
CRIC Building	1 unit
GYM (Temporary POM) to be	1 unit
transferred to POM Building	
POM Building	1 unit

Specifications

- Must have built-in power management unit containing a system of breakers designed to manage power distribution and surge protection. Input power is delivered at site only to the power management unit and all electrical wiring to all components within the integrated rack system is factory installed.
- Must have an in-rack UPS with capacity of at least 5kVA/5kW, supporting 3kW IT load and precision cooling and battery system that can support up to 10 minutes back-up time at 3kW load.
- Must have cooling system which consists of the following:
 - Air conditioning unit with small-sized precision environmental control system using advanced frequency conversion technology specially designed for the cooling of electronic devices. Must have a cooling capacity of 3kW and outdoor unit using environment friendly R410a refrigerant. Outdoor unit must be installed outside the server room.
 - Automatic emergency ventilation fan system which prevents high temperature inside the cabinet in the event of cooling system failure.
 - Must have factory installed monitoring within the integrated rack system. Monitoring card can monitor front and rear temperature sensor, water leak sensor, and door status sensor.
- Must have a rack system capable of storing 19" rackmount hardware equipment (servers, voices, data, UPS, etc.) which complies with the industry standard (EIA-310). The cabinet is totally enclosed when operating. Front and rear glass door acting as hot and cold aisle containment. Dedicated rack space of 29U for IT equipment.

Must have power distribution units which can turn on/off ports intelligently and detect input/output electrical parameters. Must have an LED lighting system that automatically light upon opening of door. Must have touch panel LCD that can show actual physical rack and cooling status, temperature & humidity conditions, power protection status, door status, and leak sensor status. Must have a minimum IP rating of IP5X Must be capable of supporting the following standards: Safety standards: ΕN 60950-1:2006+A11:2009+A1:2010+A12:2011 +A2:2013 EMC standards: EN 55022:2010, EN 61000-3-11:2000, EN 55024:2010, EN 61000-3-12:2011 Bidder must include electrical and mechanical installation of integrated single rack system. Must be integrated to the existing Data Center Central Facility Monitoring System of BOC Vendor must have successful installation of integrated cabinet with cooling. A Manufacturer's Certificate must be provided which states that the equipment being offered as assembled and manufactured by the manufacturer. Bidder must be a certified reseller or partner of the product manufacturer. Must have a warranty of 3 years which includes parts and service Fire Suppression System for Integrated Single Rack System Total Quantity, 4 units **Specifications** Must be a stand-alone fire suppression system that measures carbon monoxide and temperature levels in the cabinet and once it reaches critical level, an alert/alarm will be triggered. The fire management device has to the potential of detection and extinguishing

no

corrosive,

system. Extinguishing agent can be used for fire classes A, B, C, and F. Agent must be non-

suppressing,

oxygen

pressure build-up, fast extinguishing, and does not contain harmful chemicals.

- Must be installed inside the integrated single rack system.
- Must have a warranty of 3 years which includes parts and service.

Supply, installation and configuration of 3000VA Online Rack mountable UPS

Total Quantity of 30 units

UPS Allocations

Building	Quantity
IAS Building	2 units
Gym	2 units
ESS Building	4 units
IAS Extension Building	2 units
X-Ray Building	2 units
CRIC Building	2 units
OCOM Building	8 units
Old NPO Building	4 units
X-Ray Yard	2 units
POM Building	2 units

Specifications

- Must have 3000VA/2700W capacity
- Must be online uninterruptible power system (UPS).
- Must have transient voltage surge suppression (TVSS) circuitry inside the UPS to provide additional protection for the connected equipment.
- Must have a wave form of pure sine wave.
- Can be installed as rack-mounted or tower configuration
- Must have input voltage range of 230VAC nominal but can be variable depending on the output load.
- Must have an input frequency of 40 70 Hz (auto sensing)
- The inverter shall be capable of supplying current and voltage for overloads exceeding 100%, and 105-130% for 1 minute, 131-150% 10 seconds, 151-200% for 1 seconds, and up to >200% for 5 cycles of full load current
- Output voltage must be user configurable; 200/208/220/230/240VAC with ±3% variation
- Output frequency must be 60Hz.
- Internal battery must be Valve-regulated, non-spillable, lead acid.
- Recharge time of 3 hours.
- Must be user replaceable, hot swappable batteries
- Must be capable to support additional external battery system.

- Must be able to operate on Active ECO Mode (Green Mode) that will reduce electricity power consumption while raising efficiency without compromise.
- Should have automatic and manual self-diagnostic battery testing
- Weight should be less than 33kg
- Must have Programmable Outlets
- Must have 6 sets of C13 and 1 set of C19 Outlets
- Must have agency certifications:
- Safety: IEC/EN/AS 62040-1:2008, GS MARK
- RFI/EMI: IEC/EN/AS 62040-2 2nd Ed. (Category C2) = CISPR22 Class A
- Surge Immunity: IEC 62040-2 2nd Ed. (IEC/EN 61000-4-5)
 - Must be integrated to the existing Data Center Central Facility Monitoring System of BOC
 - Bidder must be a certified reseller or partner of UPS manufacturer.
- Must have a warranty of 3 years.

> Manpower Requirements

- Must have a regular employee for at least 3 years, with the required qualifications:
 - Bidders should have at least 9 locally employed Manufacturer Certified Engineer of the proposed brand who will do the installation and configuration of the units with the following Certifications:
 - Three (3) Manufacturer Certified Network Associates
 - or specialists
 - Three (3) Manufacturer Certified Network Professionals
 - Two (2) Manufacturer Certified Internetwork Expert
 - One (1) Certified Project Manager
- Photocopy of valid certification, resume and company ID, and Certificate of Employment that they are locally employed within 3 Years from release of Bid Document should be part of the bid submission.

> Service Level Agreement (SLA)

- Bidder must conduct Project Management using below framework or similar approach:
- Formulate Project Implementation Plan
 - Conduct Initial Project Kick-off
 - Create project team for the BOI and winning bidder

- Plan, prepare, present and sign off Scope of Work (SOW) to BOI
- Conduct final project Kick-off
- Implement and coordinate project milestone
- Submit Operation and Maintenance Documentation/Manuals
- Conducts Weekly/Monthly Project Updates
- Project Hand Over Documents
- Project User Acceptance Test Procedures
- The bidder will issue an After sales service support certificate in response to the Severity of the Technical Problem occurred during the warranty period.
- Bidder must provide procedure on support and problem escalation
- Hands-on technical training for the proposed product.
 Technical training must have training manuals and other related documentation during training.
- Subcontractors are not allowed.
- Joint Ventures are not allowed.

> Warranty and Operational In-House Service

- Three (3) years warranty on workmanship and manufacturers' product assurance warranty provision from date of delivery.
- The Supplier/Bidder warrants that the Goods supplied are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials, except when the technical specifications required by the Procuring Entity provides otherwise.
- The Supplier/Bidder further warrants that all Goods supplied shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- In order to assure that manufacturing defects shall be corrected by the Supplier/Bidder, a warranty shall be required from the Supplier/Bidder for a minimum period of three (3) years.
- In the events of network equipment failure, the winning bidder / manufacturer shall repair or automatically replace the defective products with equivalent or greater quality.
- A functional and workable service unit that is equivalent or higher in specification should be provided in case replacement of hardware would take more than twenty four (24) hours or if repair requires pull out the equipment from BOC premises.

- Winning bidder must assure BOC that all backbone cabling system components adhere to the 20 years' industry standards compliance product warranty.
- The winning bidder shall provide the following technical assistance and support services to BOC as part of the in the three (3) years support / warranty / maintenance:
 - 24/7 Helpdesk Technical Support Service (Telephone/Email/IM) on system problems and other related issues that has minor impact to Network Infrastructure operations.
 - Provide on-site technical support with response time of two (2) hours upon confirmation of call in case of critical problems such as systems breakdown, unavailability or downtime that has major impact to data center operations and four(4) hours on-site support
 - 24/7 availability of spare parts in case of system/equipment malfunction

> Training

- Equipment Operational Training
 - The winning bidder shall provide local technical training for Three (3) BOC IT personnel.
 - The training for the said wireless infrastructure must be an accredited of the product being offered.

> Technical Support

- Winning bidder must assure BOC that all backbone cabling system components adhere to the 20 years industry standards compliance product warranty.
- Integration testing to operationalize network infrastructure and solutions, should be done during implementation and deployment.

Documentation And Other Works.

- The winning bidder shall submit in hard and soft copies detailed project documentation of the following:
- Project Implementation Plan,
- UAT Test Plan,
- Network Infrastructure documentation, as-built drawing,
- Network Infrastructure installation and configuration manual,
- Network Infrastructure security plan and policy,
- Network Infrastructure management and operations manual, procedures,
- Incident and problem escalation procedure with list of designated technical support engineers,

SLA (Service Level Agreement)

1. GENERAL QUALIFICATION OF THE SERVICE PROVIDER

- Must be registered with Securities and Exchange Commission (SEC) capable of implementing the project consistent with the primary purpose as it appears its Articles of Incorporation:
- To engage in providing and to carry on the business as provider of information and communication technology solutions, infrastructure, and services to individuals, corporations, states, institutions, joint ventures and other government, local and foreign entities;
- Not limited to Structured Cabling System, Contact Center Solutions, Business Analytics, Network and Information Security and Management, Collaboration Solutions, Data Center and Virtualization Solutions, Network Infrastructure Solutions, Power System Solutions, Network Application and Integration, Comprehensive Application, Solution of Voice and Data Recording and Storage System, Network Management Systems;
- To Provide, Sale, Transfer, Delivery, Install, Test and Turnkey all related and interrelated information and communication technology machineries, equipment, instruments and apparatus;
- Equipment such as but not limited to Network Server, File Servers, Routers, Electronic Switches, Computer, Software and Applications
- Must be operating in the Philippines with at least for the past twenty (20) years.
- The vendor submit a certification issued by the product manufacturer that bidder is a certified partner.
- Bidder must be a Tier 1 Partner/Gold of the Proposed Equipment Brand for Wireless and Switches being offered.

> PAYMENT MILESTONE

Project Description/Milestone	Process Timelines Duration We of Amount of Contract One Process O		Documentary Requirement s	
Submission of Inception Report and Project Plan Milestone 1	Within Fifteen (15) calendar days from receipt of	10%	Approved Inception Report and Project Plan; Billing Statement	

	Notice to Proceed		
Delivery of Complete Equipment Milestone 2	Within One Hundred and Twenty (120) calendar days from receipt of Notice to Proceed and approval of Inception Report	30%	Delivery Receipt signed by BOC Certificate of Inspection and Acceptance issued by BOC; Billing Statement
Installation of Complete Equipment Milestone 3	Within Sixty (60) calendar days from complete delivery of equipment	30%	Weekly Progress Reports with attached installation reports; Billing Statement
Submission of Completion Report Milestone 4	Within Five (5) calendar days from complete installation of all equipment	30%	Certificate o Completetion and Acceptance issued by BOC; Certification o Admin Training issued by the vendor; Billing Statement

iereb	y commit to comply and deliver the above requiremen
	Name of Company (in print)
	Signature of Company Authorized Representative
	Signature of Company Authorized Representative
	Name & Designation (in print)
	Date

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) in accordance with Section 8.5.2 of the IRR:

and

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

<u>or</u>

Original copy of Notarized Bid Securing Declaration; and

- (e) Conformity with the Schedule of Requirements, Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS); and Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder;

Financial Documents

(g) The 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.

25 FINANCIAL COMPONENT ENVELOPE

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

Bid Form

Date:	
Invitation to Bid ² N ^o :	

To: [name and address of Procuring Entity]

Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to the BOC, our services for the project, "Design, Implementation, Installation, and Commissioning of OCOM Structured Cabling and Wireless Infrastructure" in conformity with the said Bidding Documents for the sum of [total Bid amount in words and figures] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

ITEM	DESCRIPTION	TOTAL COST
	Supply, installation, termination and testing of	
	UTP Structured cabling system for the Bureau of	
	Customs' end user data/wireless data nodes	
	using UTP Cat6 based on TIA/EIA	
	(Telecommunications Industry	
	Association/Electronic Industries Alliance) standard.	
	 Supply, installation, and configuration of network equipment. 	
	• Integration and installation of the existing BOC active network equipment.	
	Supply, delivery, and installation of data nodes	
	Civil works.	
	 Supply, delivery, installation, and configuration of wireless network devices. 	

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

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

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

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:³

-

² If ADB, JICA and WB funded projects, use IFB.

³ Applicable only if the Funding Source is the ADB, JICA or WB.

Name and add of agent	dress Amount and Currency	d Purpose of Commission or gratuity	
(if none, state	"None")		
		I and executed, this Bid, together with your wrd, shall be binding upon us.	ritten
We understand the receive.	hat you are not bound	to accept the Lowest Calculated Bid or any Bid you	ı may
We certify/confi the Bidding Documen		ith the eligibility requirements as per ITB Clause	10 of
owner and sole propri authority to participate behalf for the <i>Name of</i> <i>cooperatives, or joint</i>	tetor or authorized repets, submit the bid, and a submit the bid, and a submit the submit the submit the submit the submit to submit the submit th	undersigned, [for sole proprietorships, insert: a presentative of <u>Name of Bidder</u> , has the full powe to sign and execute the ensuing contract, on the last of the Procuring Entity] [for partnerships, corporated full power and authority by the <u>Name of Bidder</u>] execute the ensuing contract on the latter's behaving Entity].	er and tter's tions, t <u>er</u> , to
_	_	each and every page of this Bid Form, including nd for the rejection of our bid.	g the
Dated this	day of	20	
[signature]		[in the capacity of]	

Duly authorized to sign Bid for and on behalf of _____

Price Schedule for Goods Offered from Within the Philippines

For Goods Offered from Within the Philippines

Name of Bidder			Project ID No		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)
Legal Signa	Capacity:				ehalf of:				

Price Schedule for Goods Offered 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)
Name:								
Legal Capacity:								
Signature:								
Duly authorized to sign the Bid for and behalf of:								

Statement of Single Largest Completed Contract which is similar in nature

	ne: ress:				_
Name of Contract (including the name of procuring entity)	Date of the Contract	Kinds of Goods	Amount of Contract	Date of Delivery	End User's Acceptance or Official Receipt(s) Issued for the Contract
Submitted by	:(Printed	l Name & Signa	ature)		
Designation	:				
Date	:				

List of all Ongoing Government & Private Contracts including

Contracts awarded but not yet started

Business Name:	
Business Address:	

Name of Contract (including the name of procuring entity)	Date of the Contract	Kinds of Goods	Value of Outstanding Contracts	Date of Delivery
Government				
<u>Private</u>				

:
(Printed Name & Signature)
:
:

Instructions:

- i. State all ongoing contracts including those awarded but not yet started within five (5) years (government and private contracts, which may be similar or not similar to the project being bidded) prior to opening of bids.
- ii. If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term.
- iii. The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC) in case an NFCC is submitted as an eligibility document.

CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

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

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

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

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

[Insert Name and Signature] [Insert Name and Signature]

[Insert Signatory's Legal Capacity] [Insert Signatory's Legal Capacity]

for: for:

[Insert Procuring Entity] [Insert Name of Supplier]

Acknowledgment

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

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)	
CITY/MUNICIPALITY OF)	S.S.

AFFIDAVIT

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- 1. [Select one, delete the other:]

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

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

2. [Select one, delete the other:]

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

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

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

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

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

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

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract:
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

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

BID SECURING DECLARATION FORM

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

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

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

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

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

