BAGONG PILIPINAS

PHILIPPINE PORTS AUTHORITY

PROCUREMENT FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF DATABASE UPGRADE, DATA SECURITY AND HIGH AVAILABILITY OF THE PPA COMPUTERIZED SYSTEMS

BID DOCS
ASD-132-2024

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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.

BAGONG PILIPINAS

PHILIPPINE PORTS AUTHORITY

INVITATION TO BID

FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF DATABASE UPGRADE, DATA SECURITY AND HIGH AVAILABILITY OF THE PPA COMPUTERIZED SYSTEMS

The Philippine Ports Authority, through the Corporate Budget of the Authority for CY 2024, intends to apply the following amount being the Approved Budget for the Contract (ABC) to payments under the contract for the Supply, Delivery, Installation and Commissioning of Database Upgrade, Data Security and High Availability of the PPA Computerized Systems of Engineering and Other Related Software for PPA Head Office and Port Management Offices Nationwide **(ASD-132-2024).**

Lot No.	Item/Description	Approved Budget for the Contract (ABC)	Price of Bid Documents	Delivery Period
1	Database Upgrade, Support and Training	P93,619,000.00	P50,000.00	Within Ninety (90) days from receipt of the Notice to Proceed (NTP)
2	Replace and Upgrade of PPA's Web-API Services Backend Technology, and OPCE User Interface/ User Experience (UI/UX) System	P 6,160,000.00	P10,000.00	Will commence from receipt of the Notice to Proceed (NTP) and must be completed within Sixty (60) days after the successful completion and acceptance of Lot 1: Database Upgrade

TOTAL **P99,779,000.00**

Bids received in excess of the ABC shall be automatically rejected at bid opening.

The Philippine Ports Authority now invites bids for the above Procurement Project. Completion of the services is required within Ninety (90) days from the receipt by the successful bidder of the Notice to Proceed for Lot 1, and for Lot 2, it will commence from receipt of the Notice to Proceed and must be completed within Sixty (60) days after the successful completion and acceptance of Lot 1. Bidders should have completed, within ten (10) 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).

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) 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 5183.

Prospective Bidders may obtain further information from the Philippine Ports Authority Bids and Awards Committee (BAC) and inspect the Bidding Documents at the address given below during 8:00 a.m. to 5:00 p.m., Monday to Friday.

A complete set of Bidding Documents may be acquired by interested Bidders on **07 October 2024** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Fifty Thousand (P50,000.00) Pesos for Lot 1 and Ten Thousand Pesos (P10,000.00) for Lot 2.** The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

The Philippine Ports Authority's Bids and Awards Committee will hold a Pre-Bid Conference on **15 October 2024 at 10:00 a.m.** at the PPA Function Room, 7th Floor, PPA Bldg., Bonifacio Drive, South Harbor, Port Area, Manila, which shall be open to all prospective bidders.

Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **29 October 2024 at 9:00 a.m. (Lot 1) and 29 October 2024 at 1:00 p.m. (Lot 2).** Late bids shall not be accepted.

All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.

Bid opening shall be on **29 October 2024 at 10:00 a.m. (Lot 1) and 29 October 2024 at 2:00 p.m. (Lot 2),** at the 7th Floor, PPA Building, A. Bonifacio Drive, South Harbor, Port Area, Manila. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

The Philippine Ports Authority reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

For further information, please refer to:

BAC Secretariat, Philippine Ports Authority
5th Floor, PPA Bldg., A. Bonifacio Drive,
South Harbor, Port Area, Manila
Telephone Nos. 8 527-47-35
8 527-83-56 to 83 loc. 539
PPA Website: www.ppa.com.ph
PhilGEPS Website: www.philgeps.gov.ph

fm: **MARK JON S. PALOMAR**
Chairperson, PPA Head Office Bids and Awards
Committee for the Procurement of Goods and
Consultancy Services (HO-BAC-PGCS)

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, PHILIPPINE PORTS AUTHORITY wishes to receive Bids for the **PROCUREMENT FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF DATABASE UPGRADE, DATA SECURITY AND HIGH AVAILABILITY OF THE PPA COMPUTERIZED SYSTEMS,** with identification number **ASD-132-2024.**

The Procurement Project (referred to herein as "Project") is composed of TWO (2) LOTS, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The Philippine Ports Authority through its corporate budget for the Calendar Year (CY) 2024 in the amount of **NINETY NINE MILLION SEVEN HUNDRED SEVENTY NINE THOUSAND PESOS (P99,779,000.00)** inclusive of 12% VAT, broken down as follows:

Lot	Description	ABC per Lot
1	Database Upgrade, Support, and Training	Php93,619,000
2	Replace and upgrade the backend technology used by PPA's Web-Application Programming Interface (API) Services, and OPCE's User Interface/User Exchange (UI/UX) system	Php6,160,000

2.2. The source of funding is the Corporate Budget of the PHILIPPINE PORTS AUTHORITY.

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or

through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

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

5.2 Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to at least fifty percent (50%) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a Pre-Bid conference for this Project on the specified date and time and either at its physical address at the PPA Function Room, 7th Floor, PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB.**

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within ten (10) years prior to the deadline for the submission and receipt of bids.

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

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

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

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

a. For Goods offered from within the Procuring Entity's country:

i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

ii. The cost of all customs duties and sales and other taxes already paid or payable;

iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

iv. The price of other (incidental) services, if any, listed in e.

b. For Goods offered from abroad:

i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.

ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

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

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid for One Hundred Twenty (120) calendar days from the date of the opening of bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as one Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.

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

20. Post-Qualification

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

21. Signing of the Contract

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

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: a. LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: Contract on any Information Systems (IS) or Information Technology (IT) project or Database Upgrade. LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: Contract on any Information Systems (IS) or Information Technology (IT) Project, b. FOR LOTS 1 & 2: the SLCC must be completed within ten (10) years prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP *[Manila]* or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: FOR LOT 1 - DATABASE UPGRADE, SUPPORT AND TRAINING: a. The amount of not less than ONE MILLION EIGHT HUNDRED SEVENTY TWO THOUSAND THREE HUNDRED EIGHTY PESOS (Php1,872,380.00), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than FOUR MILLION SIX HUNDRED EIGHTY THOUSAND NINE HUNDRED FIFTY PESOS (Php4,680,950.00) if bid security is in Surety Bond. LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: a. The amount of not less than ONE HUNDRED TWENTY THREE THOUSAND TWO HUNDRED PESOS (Php123,200.00), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than THREE HUNDRED EIGHT THOUSAND PESOS (Php308,000.00) if bid security is in Surety Bond.

<table>
<tr><td>15</td><td>For each lot, each Bidder shall submit ONE (1) original and SIX (6) copies of its Technical and Financial Components of its Bid in two (2) separate sealed bid envelopes, which should be submitted simultaneously. Each of the bid documents should be individually sealed.

All bid documents shall be book-bound with hard cover and properly labelled with index tabs. Failure to comply with the said requirements is a ground for automatic disqualification of the bidder.</td></tr>
<tr><td>19.3</td><td>Partial bids are allowed. The goods are grouped in lots listed below. The bidders may opt to submit a proposal on any or all lots and evaluation and contract award will be undertaken on a per lot basis.

<table><tr><th>Lot</th><th>Description</th><th>ABC per Lot</th></tr><tr><td>1</td><td>Database Upgrade, Support, and Training</td><td>Php93,619,000</td></tr><tr><td>2</td><td>Replace and upgrade the backend technology used by PPA's Web-Application Programming Interface (API) Services, and OPCE's User Interface/User Exchange (UI/UX) system</td><td>Php6,160,000</td></tr></table>
However, lots shall not be divided further into sub-lots for the purpose of bidding, evaluation and contract award.</td></tr>
<tr><td>20.1</td><td>No additional requirements.</td></tr>
<tr><td>21.1</td><td>No additional requirements.</td></tr>
</table>

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the SCC.

3. Performance Security

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

4. Inspection and Tests

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

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

5. Warranty

6.1. 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.

6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	**Delivery and Documents –** For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows: *[For Goods supplied from abroad, state:]* "The delivery terms applicable to the Contract are DDP delivered [*indicate place of destination*]. In accordance with INCOTERMS." *For Goods supplied from within the Philippines, state:*] "The delivery terms applicable to this Contract are delivered *[indicate place of destination]*. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination." Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements). For purposes of this Clause the Procuring Entity's Representative at the Project Site is the **Acting Manager, Information and Communication Technology Department, Philippine Ports Authority Head Office, Manila**. **Incidental Services –** The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and e. Provision for Training under Items 4.5 and 5.4 of the Terms of Reference. The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

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

a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and

b. in the event of termination of production of the spare parts:

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

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

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

Spare parts or components shall be supplied as promptly as possible, but in any case, within seven (7) days from placing the order.

Packaging –

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

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

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

	Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging. **Transportation –** Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price. Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination. **Intellectual Property Rights –** The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	Payment which shall be made in Philippine Currency, shall be per services delivered according to the following schedule:

FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING:

Milestone	Activity	Percentage of Payment
1	1.1. Provision of Licenses with one (1) year support, Certification from Oracle must be included	75%
2	2.2. Submission of Project Implementation Plan with Work Breakdown Structure (WBS) 2.2. Delivery, Installation, Configuration and Commissioning of Database Server 2.3. Installation of Operating System and Other Required Software for Database Upgrade 2.4. User Acceptance Testing	10%
3	3.1. Backup of Oracle eBusiness Suite and Database 3.2. Upgrade of Database 3.3. Migration of Data to the New Oracle Instance 3.4. Installation Oracle diagnostic and Tuning Pack 3.5. User Acceptance Testing and Issue Resolutions	10%
4	4.1. Technology Transfer 4.2. Submission of Required Documents 4.3. Completion and Acceptance 4.4. Confirmed registration and schedule of Oracle DB Certification to select PPA Personnel.	5%

LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM:

Milestone	Activity	Percentage of Payment
1	1.1. Replacement and Upgrade of Web-API/OPCE 1.2. User Acceptance Testing 1.3. Submission of Required Documents	80%
2	2.1. Technology Transfer 2.2. Completion and Acceptance	20%

4 The inspection and tests that will be conducted are:

FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: A

	series of burn-in tests will be conducted on the database server for a maximum period of 24 hours. Any defective component identified during the burn-in period must be replaced immediately. LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: User-Acceptance Testing

Section VI. Schedule of Requirements

FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING:

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

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Supply, Delivery, Installation and Commissioning of Database Upgrade, Data Security and High Availability of the PPA Computerized Systems			Installed, set-up, configured and accepted within ninety (90) days from receipt of the Notice to Proceed.

Section VI. Schedule of Requirements

LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM:

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

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Replacement and Upgrade of the Backend Technology used by PPA's Web-Application Programming Interface Services and the Online Port Charges Exemption's User Interface/User Exchange System			Will commence from receipt of the Notice to Proceed and must be completed within sixty (60) days after the successful completion and acceptance of Lot 1: Database Upgrade

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance
		[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 Bidder's 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 applicable laws and issuances.]
	PROCUREMENT FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF DATABASE UPGRADE, DATA SECURITY AND HIGH AVAILABILITY OF THE PPA COMPUTERIZED SYSTEMS, COMPOSING OF THE FOLLOWING LOTS: **Lot** | **Description** 1 | Database Upgrade, Support, and Training	

	2 | Replace and upgrade the backend technology used by PPA's Web-Application Programming Interface (API) Services, and OPCE's User Interface/User Exchange (UI/UX) system	
	SCOPE OF WORK FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: The winning bidder must deliver the following scope of work described below: 1. Acquisition of required software licenses with one (1) year support and maintenance. The winning bidder must provide proof of license acquisition and shall turnover to PPA the Customer Support Identifier. 2. Provide the following licenses: a. Twenty-Four (24) Processor Licenses of Oracle Database Enterprise Edition Perpetual b. One (1) Database Operating System License c. One (1) Oracle Virtual Machine and Management d. Eight (8) Processor Licenses of Weblogic Enterprise Edition Perpetual e. Twenty-Eight (28) Processor Licenses of Oracle Tuning Pack Perpetual f. Twenty-Eight (28) Processor Licenses of Oracle Diagnostic Pack Perpetual g. Five (5) Oracle Development Tool or Toad (Tool for Oracle Application Developers) 64bit Licenses 3. Installation and configuration of the database appliance. a. Delivery and Installation of the Oracle Database Appliance in PPA Head Office. b. Upgrade the version of the existing production database to version 19c support release, and migration of database to the new database appliance.	

c. Upgrade of Oracle Enterprise Linux 6.x to the latest working OS version and Migration of Oracle Database from Virtual Machine (VM) Environment to Physical Server of the Disaster Recovery (DR) environment.

d. Upgrade of the Disaster Recovery (DR) Environment Database from Oracle Database 12c to version 19c support release.

e. Re-Configuration/Implementation of Oracle Data Guard.

f. Install and Configure Oracle Diagnostic and Tuning Pack

g. Provide the following:

- Detailed installation, upgrade, migration and reconfiguration plan
- Configured database appliance
- Backup files and configurations
- Upgraded and migrated database environment
- Updated system and database settings
- Testing reports and issue resolutions
- Documentation of the installation process, new configurations, and training materials

4. The Winning Bidder shall perform the following:

a. Prepare Project Implementation Plan with Work Breakdown Structure (WBS) for approval of ICTD and contingency measures to address potential issues or setbacks.

b. Ensure that the target system meets the PPA's existing hardware, software, and storage requirements specified for Oracle Database 19c.

c. Perform a comprehensive backup of PPA's existing Oracle Database 12c instance,

		including all data files, control files, and configuration files. This backup will serve as a safety net in case of any unforeseen issues during the upgrade process. d. During the testing of any third-party, in-house developed applications, tools, and utilities currently used by PPA (such as but not limited to iPorts, eAS, EPMS, TAPPPS, OPCE etc.) with Oracle Database 19c, the winning bidder shall provide recommendations/resolutions to any compatibility issues, functionality or dependencies before proceeding with the database production upgrade. For issues concerning third party, in-house applications, the bidder will provide recommendations to be implemented by PPA application developers. Issues related to the eBusiness Suite (EBS) version 12.0.1 compatibility/functionality will be addressed by the winning bidder. All changes, updates and patches will be properly documented to be included in the technology transfer. e. Resolve any outstanding issues, such as pending transactions or data inconsistencies, before initiating the upgrade process. f. Identify and recompile any invalid database objects, such as procedures, functions, or packages, to ensure they are compatible with Oracle Database 19c. g. Choose the appropriate upgrade method based on PPA's specific requirements and constraints, such as the downtime tolerance, database size, and available resources. Options include in-place upgrade, database migration, or Oracle Data Pump. h. Collaborate with ICTD in informing relevant stakeholders, including database administrators, application owners, and end-users, and third-party entities about the upcoming upgrade and its potential impact on their operations.	

	i. Validate the success of the upgrade by ensuring that all database components are functioning correctly, and data integrity is maintained. j. Update database statistics and rebuild indexes to optimize query performance on the newly upgraded Oracle Database 19c instance. k. Conduct comprehensive testing of all applications, reports, and queries that rely on the upgraded database to confirm compatibility and functionality. l. Update documentation, including system manuals, configuration guides, and operational procedures, to reflect the changes introduced by the upgrade. m. Monitor the performance of the upgraded Oracle Database 19c instance continuously, using tools such as Oracle Enterprise Manager (OEM) or third-party monitoring solutions. n. Implement routine maintenance tasks, such as backups, patching, and security updates, to keep the Oracle Database 19c instance secure, stable, and optimized. o. Address any issues or challenges that arise post-upgrade promptly, leveraging Oracle support resources or consulting services as needed. 5. The winning bidder must promptly address each incident in accordance with the Service Level Agreement, as follows: a. The licenses and hardware must be covered by a one (1) year software and hardware warranty from the manufacturer. The warranty period will commence upon acceptance of the project. b. Must include 24 hours a day, 7 days a week on-call technical support for issues related to contracted services and helpdesk assistance. c. Must be able to escalate issues concerning hardware and software experts 24 hours a day,	

	7 days a week. d. If the issue cannot be resolved remotely, on-site support must be provided within four (4) hours of the initial discovery/report. e. If an incident occurs during off-hours, remote support must be provided within one (1) hour of the initial report. f. Must provide remote diagnostic and online collaboration tool for support. g. Must provide the necessary repair and parts services within four (4) hours of the issue being reported. h. The software support must include the following: • Software patches, upgrades and related updates for the duration of the support contract. • 24/7 access to knowledgebase, technical support, service request handling and diagnostics through remote access. • Access to the latest software performance improvement and product support • Provide alerts and inform Philippine Ports Authority of potential issues and vulnerabilities. It must also provide regular security updates. 6. The winning bidder shall provide five (5) perpetual licenses of the latest Oracle development software, or other equivalent oracle 3rd-party software, to enable database administrators to successfully connect to the Database and conduct queries and extract data. 7. The winning bidder shall provide technology transfer in administration, operation, monitoring and maintenance for twenty (20) ICTD personnel as needed. 8. Provide Complete Oracle Database Administration Professional I and II Training Course Certification and	

Certification Exam (1Z0-082 and 1Z0-083) will be included for five (5) ICTD personnel at no cost to Philippine Ports Authority.

9. The winning bidder shall provide Support Maintenance with 60 Man-days consumable on draw-down within the duration of the contract.

The winning bidder shall submit the following documents:

a. Project Implementation Plan – detailed timelines in the form of work breakdown structure (UAT Test Plan, SLA Agreement and NDA Agreement).

b. Procedure Manual on eBusiness Suite, and Database upgrade.

c. Standard Operating Procedures (SOPs) and policies relevant to the project maintenance and operations.

d. Monthly Preventive Maintenance and Reports – Preventive maintenance and status check of equipment and submission of monthly operation reports. Included in the report are Health Status of equipment, Intrusion Prevention Reports, Downtime Logs etc.

e. Documentation that includes all administrator/root passwords and other account credentials for complete and unencumbered access to the system, its services, and related databases.

f. Documentation of the configuration and system backup process, including evidence of weekly backups of equipment and system configurations.

TECHNICAL SPECIFICATIONS FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING:

A. Item/Description: Recommended Software for Database Upgrade

General	The Relational Database Management System (RDBMS) License must be perpetual and must be

		installed on-premises. Must provide twenty-four (24) processor licenses.		
		The proposed RDBMS licenses shall be fully compliant and compatible with the existing application of Philippine Ports Authority. Proof of compatibility must be submitted as part of the technical proposal during the opening of bids.		
		Must be a standard RDBMS adhering to American National Standards Institute (ANSI) standards.		
		Must be able to support referential integrity		
		Must be able to run on different operating system such as Linux, Windows, Solaris, UNIX platform		
		Must be able to perform read consistency without any performance degradation		
		Must support data pump export/import		
		Must have built-in standard backup and recovery method that provides a foundation for backing up and recovering databases.		
		Must have a feature that helps manage Central Processing Unit (CPU) usage when multiple databases are consolidated on a single server		
		Must be a converged database that support for multiple data types and access models including, relational, JavaScript Object Notation (JSON), spatial and graph and allows developers to create innovative applications using a single database		
		The database must include a management tool that provide a single dashboard and control for the entire database. It must have the following features: a. Must provide automatic performance diagnostics that simplifies diagnosing performance issues for administrators and ensures quicker resolution of performance bottlenecks b. Must be able to capture operational statistics at regular intervals about a particular database and relevant information c. Must have the capability to provide comprehensive advice on how to optimize schema design in order to maximize application performance d. Must provide licenses for twenty-eight (28) processors. It must be perpetual and must be installed on-premises		
	Warranty	One (1) Year Software Support. The reckoning date of software support shall be based upon the acceptance date		

B. Item/Description: Oracle Recommended Database Appliance for PPA Head Office (Hardware)

General	Must provide server and storage converged system architecture capable of supporting redundancy and high availability.
Processor	Must have at least a total of four (4) Advanced Micro Devices (AMD) EPYC processor with a minimum of 32 cores per processor running at 2.7 GHz
RAM	Must have a total of 1024 GB of memory, upgradeable to 1.5 Terabyte (TB)
Storage	Must have a total of 4x 480GB internal Solid-State Drive (SSD) for the operating systems and application binaries
	Must have at least one (1) shared disk enclosure, preconfigured and connected to the servers
	Shared disks enclosure must provide at least 46 TB (SSDs) raw capacity and must support Triple mirroring
	Disk storage shelf must have at least two (2) hot-swappable, redundant power supplies.
Network	Must have a minimum of two (2) x 4-port 10GBaseT Ethernet ports for client access network
Power	Must have hot-pluggable component such as power units, fans and storage disks
Others	Must have Pre-Installed Software such as Oracle Linux, Oracle Linux Kernel-Based Virtual Machine (KVM) and Appliance Manager to simplifies the deployment, management and support of the machine
	Must have integrated management and monitoring
	Must provide single automated patching interface and patch bundle to update and patch software system components such as firmware and hardware drivers, operating system, storage manager, clustering software and database.
	Hardware and software configuration built to protect against component failures such as disks, CPU, memory, network card, and system controller failures.
	Must support latest Oracle Database Software
	Must support capacity-on-demand licensing i.e. can enable and license from minimum of 2 cores up to maximum of 128 cores in multiple of 2
Warranty	One (1) Year Hardware Support. The reckoning date of warranty shall be based upon the acceptance date.

	BIDDER'S QUALIFICATIONS FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: 1. The bidder must have at least five (5) years' existence in the IT business and must be operating for ten (10) years. Proof of compliance must be included in the technical proposal during opening of bids (e.g. Articles of Incorporation etc). 2. The bidder must be an Oracle Partner (Oracle Certified Partner). This must be supported by a certification from Oracle Corporation to be submitted to the Bids and Awards Committee (BAC) during the Bid Opening 3. The bidder must be an authorized reseller of the database appliance to be supported by a certificate issued by the manufacturer/distributor of the said equipment. 4. The bidder must be capable of rendering local technical services duly certified by the manufacturer/distributor. 5. The bidder must have at least 2 certified personnel for the database equipment who are currently employed in the bidder's company.	
	WARRANTIES AND GUARANTEES FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: 1. The winning bidder must supply spare parts or components promptly and, in any case, not later than seven (7) days from the date of order placement. 2. The winning bidder shall provide the necessary equipment, cables, and other components to successfully install, maintain, monitor, and manage the database system. 3. The winning bidder must indemnify the project owner from and against all liabilities from damages arising from injuries or disabilities to persons, or damages to property occasioned by any or omission of the contractor, or any of his subcontractors, including all legal expenses or otherwise. 4. The winning bidder shall neither assign, transfer, pledge, nor subcontract any part or interest therein.	

	5. The winning bidder must provide a one (1) year warranty on parts and services for all equipment delivered. 6. If the database server is to be relocated, the winning bidder will provide support assistance without any extra cost to PPA. 7. A series of burn-in tests will be conducted on the database server for a maximum period of 24 hours. Any defective component identified during the burn-in period must be replaced immediately. 8. The database version must be fully compatible with PPA's current Enterprise Business Suite (EBS) and all in-house developed applications. **9.** The winning bidder shall include in the documentation all server and database credential details including root access, system administrator and other system accounts.	
	TRAINING FOR LOT 1 – DATABASE UPGRADE, SUPPORT AND TRAINING: 1. Technology Transfer and Basic and Advance Relational Database Management Training, minimum of five (5) days for at least twenty (20) personnel. Deliverables: • Training syllabi and materials. • Certificates • Course and Instructors evaluations made by the participants. • Installation, Troubleshooting, Process & Procedure Manual 2. Oracle Database Administration Professional I and II Training Course for five (5) ICTD personnel at no cost to Philippine Ports Authority (PPA) Course I • Oracle Database: Administration Workshop • Oracle Database: Introduction to SQL Course II • Oracle Database: Deploy, Patch and Upgrade Workshop	

	• Oracle Database 19c: New Features for Administrators • Oracle Database: Backup and Recovery Workshop • Oracle Database: Managing Multitenant Architecture Exam • Oracle Database Administration I (1Z0-082) • Oracle Database Administration II (1Z0-083) Deliverables: • Training syllabi and materials. • Instructor Led Virtual Training from Oracle University • Oracle Database Administrator Certificates directly from Oracle • Course and Instructors evaluations made by the participants.	
	SCOPE OF WORK FOR LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: 1. Upgrade the backend technology used by PPA Web API Services, from the old .NET Framework 4.5.2 (End of Life, April 2022) to the latest compatible .NET CORE C#, or whichever version has the Long-Term Support (LTS). The latter must be able to run on any leading server technology in the market, such as Linux and Windows. 2. Upgrade OPCE's UI/UX system from the old .NET 4.5.2 WebForms using JQuery / AMD, to Next JS 13 + ReactJS or (latest compatible technology), in SPA (Single Page Application) implementation. 3. Design and implement a separate authentication server (SSO/Single Sign-On using Open Authentication 2 and JWT / Asymmetric RSA256 for all the web applications above. 4. Provide System and Technical Support for one (1) year. 5. Perform a comprehensive backup of PPA's Web-API Services, and OPCE User Interface/User Experience (UI/UX) System instance	

	6. Provide technology transfer and training on administration, operation, monitoring and maintenance for ten (10) ICTD personnel as needed. 7. The winning bidder must promptly address each incident in accordance with the Service Level Agreement (SLA), as follows: a. The proposed upgrade must be covered by a one (1) year system warranty from the developer. The warranty period will commence upon acceptance of the project. b. Must include 24x7 on-call technical support for issues related to contracted services and helpdesk assistance. c. Must have access to system experts 24hours a day, 7 times a week. d. If the issue cannot be resolved remotely, on-site support must be provided within four (4) hours of the initial discovery/report. e. If an incident occurs during off-hours, remote support must be provided within one (1) hour of the initial report. f. The system support must include the following: • Software patches, upgrades and related updates for the duration of the support contract. • 24/7 access to knowledgebase, technical support, service request handling and diagnostics through remote access. • Access to the latest software performance improvement and product support • Provide alerts and inform Philippine Ports Authority of potential issues and vulnerabilities. It must also provide regular security updates. 8. The winning bidder shall submit the following	

	documents: a. Project Implementation Plan – detailed timelines in the form of work breakdown structure (UAT Test Plan, SLA Agreement and NDA Agreement). b. Procedure Manual on OPCE UI/UX upgrade and maintenance. c. Standard Operating Procedures (SOPs) and policies relevant to the project maintenance and operations. d. Documentation that includes all administrator/root passwords and other account credentials for complete and unencumbered access to the system, its services, and related databases. e. Documentation of the configuration and system backup process, including evidence of weekly backups of system configurations.	
	BIDDER'S QUALIFICATIONS FOR LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: The bidder must have at least five (5) years' existence in the IT business and operating for 10 years. Proof of compliance must be included in the technical proposal during opening of bids (e.g. Articles of Incorporation, etc.).	
	WARRANTIES AND GUARANTEES FOR LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: 1. The winning bidder shall ensure that the source code developed for the support and maintenance of the computerized systems are properties of PPA. 2. The winning bidder must provide a one (1) year warranty on support services for all upgraded systems delivered. 3. The winning bidder shall include in the documentation all application credential details including but not limited to root access, system administrator and other system accounts.	

	4. The upgraded system must be interoperable with PPA's current existing database, third-party applications (i.e. ICTSI Systems, etc.), and in-house developed applications.	
	TRAINING FOR LOT 2 - REPLACE AND UPGRADE OF PPA'S WEB-API SERVICES BACKEND TECHNOLOGY AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM: Technology Transfer and Basic Troubleshooting and Maintenance, for at least ten (10) personnel. Deliverables: • Training syllabi and materials. • Certificates • Course and Instructors evaluations made by the participants. • Installation, Troubleshooting, Process & Procedure Manual	
	CONFIDENTIALITY OF DATA FOR LOT 1 AND LOT 2 1. The winning bidder/s shall be required to sign a Non-Disclosure Agreement (NDA) with PPA. 2. The winning bidder/s and all its personnel/agents shall uphold strict confidentiality on any information that will come to their knowledge regarding the business or income of any port user/client/stakeholders/employees of PPA in accordance with the Data Privacy Act. 3. The winning bidder/s and its employees shall be liable to penalties in case of any unlawful divulgence of any information regarding the business or income of any port user/client/employees of PPA. 4. All application/modules of the PPA Computerized Systems, their components, parts and all products, product samples and specifications, data, ideas, technology, and technical and non-technical materials, all, or any of which may be derived from any of the foregoing (all of which, individually and collectively, referred to as "Proprietary Information")	

	are confidential and proprietary to the Philippine Ports Authority. 5. The winning bidder/s agree to hold the Proprietary Information in strict confidence. Furthermore, the Bidder agrees not to reproduce, transcribe, or disclose the Proprietary Information to third parties without prior written approval of the Philippine Ports Authority.	
	All other provisions stated in the Terms of Reference not included herein.	

TERMS OF REFERENCE

Procurement for the Supply, Delivery, Installation, and Commissioning of Database Upgrade, Data Security, and High Availability of the PPA Computerized Systems

1. INTRODUCTION

As part of Information Systems and Technology (IST) best practices in database management, staying current with the latest technology is vital for maintaining efficiency, security, and competitiveness. With technology evolving at a rapid pace and database solutions continuously evolving throughout the years, relying on outdated systems exposes PPA to various risks, including security vulnerabilities, compliance issues, and inefficiencies. Thus, The Philippine Ports Authority (PPA) is set to upgrade its Oracle Database from Version 12c to 19c. This upgrade is a strategic move with profound benefits to optimize PPA's operations and stay ahead in today's dynamic business landscape.

Upgrading from Oracle Database 12c to 19c is not merely about keeping up with the latest version but to attain enhanced performance, security, and scalability by harnessing the power of cutting-edge features and functionalities. This is also crucial for mitigating vulnerabilities associated with outdated software, preventing potential penalties related to licensing and compliance issues, and enhancing the overall efficiency and security of PPA's critical application systems. Transitioning to the latest supported version will ensure that PPA's database systems remain agile, resilient, and well-positioned for future growth.

This document provides prospective bidders with a general understanding of the requirements for the Supply, Delivery, Installation, and Commissioning of Database Upgrade, Data Security, and High Availability Solutions of the PPA Computerized Systems.

2. OBJECTIVES

2.1. To upgrade the Philippine Ports Authority's (PPA) Oracle database from version 12c to 19c to ensure compliance with current licensing and regulatory requirements.
2.2. To safeguard data accuracy and consistency throughout the upgrade process to ensure the continued reliability of PPA's operations and services.
2.3. To ensure the availability of technical support for all PPA systems connected

the database

2.4. To replace the backend technology used by PPA's Web API Services.
2.5. To Upgrade or replace the Online Port Charges Exemption's (OPCE).

3. APPROVED BUDGET

The Approved Budget for the Contract (ABC) is **Ninety-Nine Million, Seven Hundred Seventy-Nine Thousand Pesos (P99,779,000)** inclusive of 12% VAT.

Lot	Description	ABC per Lot
1	Database Upgrade, Support, and Training	93,619,000
2	Replace and upgrade the backend technology used by PPA's Web-Application Programming Interface (API) Services, and OPCE's User Interface/User Exchange (UI/UX) system	6,160,000

4. LOT 1: DATABASE UPGRADE, SUPPORT AND TRAINING

4.1. SCOPE OF WORK

The winning bidder must deliver the following scope of work described below:

4.1.1. Acquisition of required software licenses with one (1) year support and maintenance. The winning bidder must provide proof of license acquisition and shall turnover to PPA the Customer Support Identifier.
4.1.2. Provide the following licenses:

a. Twenty-Four (24) Processor Licenses of Oracle Database Enterprise Edition Perpetual
b. One (1) Database Operating System License
c. One (1) Oracle Virtual Machine and Management
d. Eight (8) Processor Licenses of Weblogic Enterprise Edition Perpetual
e. Twenty-Eight (28) Processor Licenses of Oracle Tuning Pack Perpetual
f. Twenty-Eight (28) Processor Licenses of Oracle Diagnostic Pack Perpetual
g. Five (5) Oracle Development Tool or Toad (Tool for Oracle Application Developers) 64bit Licenses

4.1.3. Installation and configuration of the database appliance.

a. Delivery and Installation of the Oracle Database Appliance in PPA Head Office.
b. Upgrade the version of the existing production database to version 19c support release, and migration of database to the new database appliance.
c. Upgrade of Oracle Enterprise Linux 6.x to the latest working OS version and Migration of Oracle Database from Virtual Machine (VM) Environment to Physical Server of the Disaster Recovery (DR) environment.

d. Upgrade of the Disaster Recovery (DR) Environment Database from Oracle Database 12c to version 19c support release.
e. Re-Configuration/Implementation of Oracle Data Guard.
f. Install and Configure Oracle Diagnostic and Tuning Pack
g. Provide the following:
   - Detailed installation, upgrade, migration and reconfiguration plan
   - Configured database appliance
   - Backup files and configurations
   - Upgraded and migrated database environment
   - Updated system and database settings
   - Testing reports and issue resolutions
   - Documentation of the installation process, new configurations, and training materials

4.1.4. The Winning Bidder shall perform the following:

a. Prepare Project Implementation Plan with Work Breakdown Structure (WBS) for approval of ICTD and contingency measures to address potential issues or setbacks.
b. Ensure that the target system meets the PPA's existing hardware, software, and storage requirements specified for Oracle Database 19c.
c. Perform a comprehensive backup of PPA's existing Oracle Database 12c instance, including all data files, control files, and configuration files. This backup will serve as a safety net in case of any unforeseen issues during the upgrade process.
d. During the testing of any third-party, in-house developed applications, tools, and utilities currently used by PPA (such as but not limited to iPorts, eAS, EPMS, TAPPPS, OPCE etc.) with Oracle Database 19c, the winning bidder shall provide recommendations/resolutions to any compatibility issues, functionality or dependencies before proceeding with the database production upgrade.

   For issues concerning third party, in-house applications, the bidder will provide recommendations to be implemented by PPA application developers.

   Issues related to the eBusiness Suite (EBS) version 12.0.1 compatibility/functionality will be addressed by the winning bidder. All changes, updates and patches will be properly documented to be included in the technology transfer.

e. Resolve any outstanding issues, such as pending transactions or data inconsistencies, before initiating the upgrade process.
f. Identify and recompile any invalid database objects, such as procedures, functions, or packages, to ensure they are compatible with Oracle Database 19c.

g. Choose the appropriate upgrade method based on PPA's specific requirements and constraints, such as the downtime tolerance, database size, and available resources. Options include in-place upgrade, database migration, or Oracle Data Pump.
h. Collaborate with ICTD in informing relevant stakeholders, including database administrators, application owners, and end-users, and third-party entities about the upcoming upgrade and its potential impact on their operations.
i. Validate the success of the upgrade by ensuring that all database components are functioning correctly, and data integrity is maintained.
j. Update database statistics and rebuild indexes to optimize query performance on the newly upgraded Oracle Database 19c instance.
k. Conduct comprehensive testing of all applications, reports, and queries that rely on the upgraded database to confirm compatibility and functionality.
l. Update documentation, including system manuals, configuration guides, and operational procedures, to reflect the changes introduced by the upgrade.
m. Monitor the performance of the upgraded Oracle Database 19c instance continuously, using tools such as Oracle Enterprise Manager (OEM) or third-party monitoring solutions.
n. Implement routine maintenance tasks, such as backups, patching, and security updates, to keep the Oracle Database 19c instance secure, stable, and optimized.
o. Address any issues or challenges that arise post-upgrade promptly, leveraging Oracle support resources or consulting services as needed.

4.1.5. The winning bidder must promptly address each incident in accordance with the Service Level Agreement, as follows:

a. The licenses and hardware must be covered by a one (1) year software and hardware warranty from the manufacturer. The warranty period will commence upon acceptance of the project.
b. Must include 24 hours a day, 7 days a week on-call technical support for issues related to contracted services and helpdesk assistance.
c. Must be able to escalate issues concerning hardware and software experts 24 hours a day, 7 days a week.
d. If the issue cannot be resolved remotely, on-site support must be provided within four (4) hours of the initial discovery/report.
e. If an incident occurs during off-hours, remote support must be provided within one (1) hour of the initial report.
f. Must provide remote diagnostic and online collaboration tool for support.
g. Must provide the necessary repair and parts services within four (4) hours of the issue being reported.
h. The software support must include the following:

- Software patches, upgrades and related updates for the duration of the support contract.
- 24/7 access to knowledgebase, technical support, service request

handling and diagnostics through remote access.

- Access to the latest software performance improvement and product support
- Provide alerts and inform Philippine Ports Authority of potential issues and vulnerabilities. It must also provide regular security updates.

4.1.6. The winning bidder shall provide five (5) perpetual licenses of the latest Oracle development software, or other equivalent oracle 3rd-party software, to enable database administrators to successfully connect to the Database and conduct queries and extract data.

4.1.7. The winning bidder shall provide technology transfer in administration, operation, monitoring and maintenance for twenty (20) ICTD personnel as needed.

4.1.8. Provide Complete Oracle Database Administration Professional I and II Training Course Certification and Certification Exam (1Z0-082 and 1Z0-083) will be included for five (5) ICTD personnel at no cost to Philippine Ports Authority.

4.1.9. The winning bidder shall provide Support Maintenance with 60 Man-days consumable on draw-down within the duration of the contract.

The winning bidder shall submit the following documents:

a. Project Implementation Plan – detailed timelines in the form of work breakdown structure (UAT Test Plan, SLA Agreement and NDA Agreement).
b. Procedure Manual on eBusiness Suite, and Database upgrade.
c. Standard Operating Procedures (SOPs) and policies relevant to the project maintenance and operations.
d. Monthly Preventive Maintenance and Reports – Preventive maintenance and status check of equipment and submission of monthly operation reports. Included in the report are Health Status of equipment, Intrusion Prevention Reports, Downtime Logs etc.
e. Documentation that includes all administrator/root passwords and other account credentials for complete and unencumbered access to the system, its services, and related databases.
f. Documentation of the configuration and system backup process, including evidence of weekly backups of equipment and system configurations.

4.2. TECHNICAL SPECIFICATIONS

4.2.1. Item/Description: Recommended Software for Database Upgrade

General	The Relational Database Management System (RDBMS) License must be perpetual and must be installed on-premises. Must provide twenty-four (24) processor licenses.
	The proposed RDBMS licenses shall be fully compliant and compatible with the existing application of Philippine Ports Authority. Proof of compatibility

	must be submitted as part of the technical proposal during the opening of bids.
	Must be a standard RDBMS adhering to American National Standards Institute (ANSI) standards.
	Must be able to support referential integrity
	Must be able to run on different operating system such as Linux, Windows, Solaris, UNIX platform
	Must be able to perform read consistency without any performance degradation
	Must support data pump export/import
	Must have built-in standard backup and recovery method that provides a foundation for backing up and recovering databases.
	Must have a feature that helps manage Central Processing Unit (CPU) usage when multiple databases are consolidated on a single server
	Must be a converged database that support for multiple data types and access models including, relational, JavaScript Object Notation (JSON), spatial and graph and allows developers to create innovative applications using a single database
	The database must include a management tool that provide a single dashboard and control for the entire database. It must have the following features: a. Must provide automatic performance diagnostics that simplifies diagnosing performance issues for administrators and ensures quicker resolution of performance bottlenecks b. Must be able to capture operational statistics at regular intervals about a particular database and relevant information c. Must have the capability to provide comprehensive advice on how to optimize schema design in order to maximize application performance d. Must provide licenses for twenty-eight (28) processors. It must be perpetual and must be installed on-premises
Warranty	One (1) Year Software Support. The reckoning date of software support shall be based upon the acceptance date

4.2.2. Item/Description: Oracle Recommended Database Appliance for PPA Head Office (Hardware)

General	Must provide server and storage converged system architecture capable of supporting redundancy and high availability.
Processor	Must have at least a total of four (4) Advanced Micro Devices (AMD) EPYC processor with a minimum of 32 cores per processor running at 2.7 GHz
RAM	Must have a total of 1024 GB of memory, upgradeable to 1.5 Terabyte (TB)
Storage	Must have a total of 4x 480GB internal Solid-State Drive (SSD) for the operating systems and application binaries

	Must have at least one (1) shared disk enclosure, preconfigured and connected to the servers
	Shared disks enclosure must provide at least 46 TB (SSDs) raw capacity and must support Triple mirroring
	Disk storage shelf must have at least two (2) hot-swappable, redundant power supplies.
Network	Must have a minimum of two (2) x 4-port 10GBaseT Ethernet ports for client access network
Power	Must have hot-pluggable component such as power units, fans and storage disks
Others	Must have Pre-Installed Software such as Oracle Linux, Oracle Linux Kernel-Based Virtual Machine (KVM) and Appliance Manager to simplifies the deployment, management and support of the machine
	Must have integrated management and monitoring
	Must provide single automated patching interface and patch bundle to update and patch software system components such as firmware and hardware drivers, operating system, storage manager, clustering software and database.
	Hardware and software configuration built to protect against component failures such as disks, CPU, memory, network card, and system controller failures.
	Must support latest Oracle Database Software
	Must support capacity-on-demand licensing i.e. can enable and license from minimum of 2 cores up to maximum of 128 cores in multiple of 2
Warranty	One (1) Year Hardware Support. The reckoning date of warranty shall be based upon the acceptance date.

4.3. BIDDER'S QUALIFICATIONS

The bidder must have the following qualifications:

4.3.1. The bidder must have at least five (5) years' existence in the IT business and must be operating for ten (10) years. Proof of compliance must be included in the technical proposal during opening of bids (e.g. Articles of Incorporation etc).

4.3.2. The bidder must be an Oracle Partner (Oracle Certified Partner). This must be supported by a certification from Oracle Corporation to be submitted to the Bids and Awards Committee (BAC) during the Bid Opening

4.3.3. The bidder must have a Single Largest Completed Contract (SLCC) similar to the contract to be bid for the last ten (10) years whose value must be at least equivalent to fifty percent (50%) of the ABC. This "similar contract" can be any Information Systems (IS) or Information Technology (IT) project or Database (DB) Upgrade.

4.3.4. The bidder must be an authorized reseller of the database appliance to be supported by a certificate issued by the manufacturer/distributor of the said equipment.
4.3.5. The bidder must be capable of rendering local technical services duly certified by the manufacturer/distributor.
4.3.6. The bidder must have at least 2 certified personnel for the database equipment who are currently employed in the bidder's company.

4.4. WARRANTIES AND GUARANTEES

4.4.1. The winning bidder must supply spare parts or components promptly and, in any case, not later than seven (7) days from the date of order placement.
4.4.2. The winning bidder shall provide the necessary equipment, cables, and other components to successfully install, maintain, monitor, and manage the database system.
4.4.3. The winning bidder must indemnify the project owner from and against all liabilities from damages arising from injuries or disabilities to persons, or damages to property occasioned by any or omission of the contractor, or any of his subcontractors, including all legal expenses or otherwise.
4.4.4. The winning bidder shall neither assign, transfer, pledge, nor subcontract any part or interest therein.
4.4.5. The winning bidder must provide a one (1) year warranty on parts and services for all equipment delivered.
4.4.6. If the database server is to be relocated, the winning bidder will provide support assistance without any extra cost to PPA.
4.4.7. A series of burn-in tests will be conducted on the database server for a maximum period of 24 hours. Any defective component identified during the burn-in period must be replaced immediately.
4.4.8. The database version must be fully compatible with PPA's current Enterprise Business Suite (EBS) and all in-house developed applications.
4.4.9. The winning bidder shall include in the documentation all server and database credential details including root access, system administrator and other system accounts.

4.5. TRAINING

4.5.1. Technology Transfer and Basic and Advance Relational Database Management Training, minimum of five (5) days for at least twenty (20) personnel.

Deliverables:

- Training syllabi and materials.
- Certificates
- Course and Instructors evaluations made by the participants.
- Installation, Troubleshooting, Process & Procedure Manual

4.5.2. Oracle Database Administration Professional I and II Training Course for five (5) ICTD personnel at no cost to Philippine Ports Authority (PPA)

Course I

- Oracle Database: Administration Workshop
- Oracle Database: Introduction to SQL

Course II

- Oracle Database: Deploy, Patch and Upgrade Workshop
- Oracle Database 19c: New Features for Administrators
- Oracle Database: Backup and Recovery Workshop
- Oracle Database: Managing Multitenant Architecture

Exam

- Oracle Database Administration I (1Z0-082)
- Oracle Database Administration II (1Z0-083)

Deliverables:

- Training syllabi and materials.
- Instructor Led Virtual Training from Oracle University
- Oracle Database Administrator Certificates directly from Oracle
- Course and Instructors evaluations made by the participants.

4.6. DELIVERY

The Supply, Delivery, Installation, and Commissioning of a Database Upgrade, Data Security, and High Availability for PPA Computerized Systems be installed, set up and configured and accepted within **90 days** from receipt of Notice of Proceed (NTP).

4.7. PAYMENT MILESTONE

Payment which shall be made in Philippine Currency, shall be per services delivered according to the following schedule:

Milestone	Activity	Percentage of Lot 1
1	1.1. Provision of Licenses with one (1) year support, Certification from Oracle must be included	75%
2	2.2. Submission of Project Implementation Plan with Work Breakdown Structure (WBS) 2.2. Delivery, Installation, Configuration and Commissioning of Database Server	10%

	2.3. Installation of Operating System and Other Required Software for Database Upgrade 2.4. User Acceptance Testing	
3	3.1. Backup of Oracle eBusiness Suite and Database 3.2. Upgrade of Database 3.3. Migration of Data to the New Oracle Instance 3.4. Installation Oracle diagnostic and Tuning Pack 3.5. User Acceptance Testing and Issue Resolutions	10%
4	4.1. Technology Transfer 4.2. Submission of Required Documents 4.3. Completion and Acceptance 4.4. Confirmed registration and schedule of Oracle DB Certification to select PPA Personnel.	5%

5. LOT 2: REPLACE & UPGRADE OF PPA's WEB-API SERVICES BACKEND TECHNOLOGY, AND OPCE USER INTERFACE/USER EXPERIENCE (UI/UX) SYSTEM

5.1. SCOPE OF WORK

5.1.1. Upgrade the backend technology used by PPA Web API Services, from the old .NET Framework 4.5.2 (End of Life, April 2022) to the latest compatible .NET CORE C#, or whichever version has the Long-Term Support (LTS). The latter must be able to run on any leading server technology in the market, such as Linux and Windows.

5.1.2. Upgrade OPCE's UI/UX system from the old .NET 4.5.2 WebForms using JQuery / AMD, to Next JS 13 + ReactJS or (latest compatible technology), in SPA (Single Page Application) implementation.

5.1.3. Design and implement a separate authentication server (SSO/Single Sign-On using Open Authentication 2 and JWT / Asymmetric RSA256 for all the web applications above.

5.1.4. Provide System and Technical Support for one (1) year.

5.1.5. Perform a comprehensive backup of PPA's Web-API Services, and OPCE User Interface/User Experience (UI/UX) System instance

5.1.6. Provide technology transfer and training on administration, operation, monitoring and maintenance for ten (10) ICTD personnel as needed.

5.1.7. The winning bidder must promptly address each incident in accordance with the Service Level Agreement (SLA), as follows:

a. The proposed upgrade must be covered by a one (1) year system warranty from the developer. The warranty period will commence upon acceptance of the project.

b. Must include 24x7 on-call technical support for issues related to contracted services and helpdesk assistance.

c. Must have access to system experts 24hours a day, 7 times a week.

d. If the issue cannot be resolved remotely, on-site support must be provided within four (4) hours of the initial discovery/report.
e. If an incident occurs during off-hours, remote support must be provided within one (1) hour of the initial report.
f. The system support must include the following:

- Software patches, upgrades and related updates for the duration of the support contract.
- 24/7 access to knowledgebase, technical support, service request handling and diagnostics through remote access.
- Access to the latest software performance improvement and product support
- Provide alerts and inform Philippine Ports Authority of potential issues and vulnerabilities. It must also provide regular security updates.

5.1.8. The winning bidder shall submit the following documents:

a. Project Implementation Plan – detailed timelines in the form of work breakdown structure (UAT Test Plan, SLA Agreement and NDA Agreement).
b. Procedure Manual on OPCE UI/UX upgrade and maintenance.
c. Standard Operating Procedures (SOPs) and policies relevant to the project maintenance and operations.
d. Documentation that includes all administrator/root passwords and other account credentials for complete and unencumbered access to the system, its services, and related databases.
e. Documentation of the configuration and system backup process, including evidence of weekly backups of system configurations.

5.2. BIDDER'S QUALIFICATIONS

The bidder must have the following qualifications:

5.2.1. The bidder must have completed a Single Largest Completed Contract (SLCC) similar to the contract to be bid for the last ten (10) years whose value must be at least equivalent to fifty percent (50%) of the ABC. This "similar contract" can be any Information Systems (IS) or Information Technology (IT) project.
5.2.2. The bidder must have at least five (5) years' existence in the IT business and operating for 10 years. Proof of compliance must be included in the technical proposal during opening of bids (e.g. Articles of Incorporation, etc.).

5.3. WARRANTIES AND GUARANTEES

5.3.1. The winning bidder shall ensure that the source code developed for the support and maintenance of the computerized systems are properties of PPA.
5.3.2. The winning bidder must provide a one (1) year warranty on support services for all upgraded systems delivered.

5.3.3. The winning bidder shall include in the documentation all application credential details including but not limited to root access, system administrator and other system accounts.

5.3.4. The upgraded system must be interoperable with PPA's current existing database, third-party applications (i.e. ICTSI Systems, etc.), and in-house developed applications.

5.4. TRAINING

Technology Transfer and Basic Troubleshooting and Maintenance, for at least ten (10) personnel.
Deliverables:

- Training syllabi and materials.
- Certificates
- Course and Instructors evaluations made by the participants.
- Installation, Troubleshooting, Process & Procedure Manual

5.5. DELIVERY

The replacement and upgrade of the backend technology for PPA's Web-API Services and the UI/UX system of OPCE will commence from receipt of Notice to Proceed (NTP) and must be completed within **60 days** after the successful completion and acceptance of the Lot 1: Database Upgrade.

5.6. PAYMENT MILESTONE

Milestone	Activity	Percentage
1	1.1. Replacement and Upgrade of Web-API/OPCE 1.2. User Acceptance Testing 1.3. Submission of Required Documents	80%
2	2.1. Technology Transfer 2.2. Completion and Acceptance	20%

6. COMMON PROVISIONS FOR LOT 1 & LOT 2

6.1. CONFIDENTIALITY OF DATA

6.1.1. The winning bidder/s shall be required to sign a Non-Disclosure Agreement (NDA) with PPA.

6.1.2. The winning bidder/s and all its personnel/agents shall uphold strict confidentiality on any information that will come to their knowledge regarding the business or income of any port user/client/stakeholders/employees of PPA in accordance with the Data Privacy Act.

6.1.3. The winning bidder/s and its employees shall be liable to penalties in case of any unlawful divulgence of any information regarding the business or income of any port user/client/employees of PPA.

6.1.4. All application/modules of the PPA Computerized Systems, their components, parts and all products, product samples and specifications, data, ideas, technology, and technical and non-technical materials, all, or any of which may be derived from any of the foregoing (all of which, individually and collectively, referred to as "Proprietary Information") are confidential and proprietary to the Philippine Ports Authority.

6.1.5. The winning bidder/s agree to hold the Proprietary Information in strict confidence. Furthermore, the Bidder agrees not to reproduce, transcribe, or disclose the Proprietary Information to third parties without prior written approval of the Philippine Ports Authority.

6.2. PPA RESPONSIBILITIES

6.2.1. PPA shall provide working area and network connectivity to PPA's IT infrastructure

6.2.2. PPA shall provide access to PPA documents, records and data required, subject to PPA clearance.

6.2.3. PPA shall provide technical assistance to the winning bidder's implementation team.

6.2.4. PPA shall aid in the Functionality User-Acceptance Testing on all PPA systems integrated with Oracle Database.

6.2.5. PPA shall aid in the Functionality User-Acceptance Testing of the upgraded Web API/OPCE System

6.2.6. PPA shall have the right to inspect and/or test the goods delivered to confirm conformity with the Contract. PPA shall be given a five (5) working day notice prior to tests.

6.2.7. PPA shall oversee the migration data and ensure its integrity in all PPA systems connected in the upgraded Oracle Database.

6.2.8. PPA shall monitor the upgrade process closely, checking for any errors, warnings, or performance issues. Address any issues promptly to prevent them from escalating.

WILFRED THOMAS B. GORRE
Acting Manager
Information and Communication
Technology Department

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;

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**

☐ (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
Or

Original copy of Notarized Bid Securing Declaration; **and**

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

☐ (f) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (g) The 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.

☐ (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or

duly notarized statements from all the potential joint venture partners stating the following:

a. that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful; and

b. failure to enter into JVA in the event of a contract award shall be a ground for bid disqualification and subsequent forfeiture of the bid security.

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

☐ (i) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.

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

II. FINANCIAL COMPONENT ENVELOPE

☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**

☐ (b) Original of duly signed and accomplished Price Schedule(s).

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

BID FORM

Date : _____
Project Identification No. : _____

To: [name and address of Procuring Entity]

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

If our Bid is accepted, we undertake:

a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);

b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;

c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

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

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

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

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

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

Name: _____
Legal capacity: _____
Signature: _____

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

For Goods Offered from Abroad

Name of Bidder _____ Project ID No._____ Page ___ of ___

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

Name: _____

Legal Capacity: _____

Signature: _____

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

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

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No._____ Page ___of___

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

Name: _____

Legal Capacity: _____

Signature: _____

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

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

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

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

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

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

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

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

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 (Revised)
[shall be submitted with the Bid]

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

AFFIDAVIT

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

1. [Select one, delete the other:]

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

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

2. [Select one, delete the other:]

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

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

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

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

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

6. [Select one, delete the rest:]

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

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

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

   a. Carefully examining all of the Bidding Documents;

   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

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

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

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

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

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

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

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

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

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.

2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years for the second offense, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;

3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:

    a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
        i. Procuring Entity has no claims filed against the contract awardee;
        ii. It has no claims for labor and materials filed against the contractor; and
        iii. Other terms of the contract; or

    b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

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

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

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

NET FINANCIAL CONTRACTING CAPACITY (NFFC) COMPUTATION

A. The values of the bidder's current assets and current liabilities shall be based on the data submitted to the BIR, through its Electronic Filing and Payment System (EFPS).

		Year 20__
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current asset minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid

NFCC = Php _____

K = 15

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding year.

Submitted by:

_____
Name of Supplier/Distributor/Manufacturer

_____
Signature of Authorized Representative

STATEMENT OF THE BIDDER'S ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

This is to certify that _____ has the following ongoing government and private contracts, including contracts awarded but not yet started:

NAME OF THE CONTRACT	DATE OF THE CONTRACT	CONTRACT DURATION	OWNER'S NAME & ADDRESS	KINDS OF GOODS/SERVICES DELIVERED	AMOUNT OF CONTRACT	VALUE OF OUTSTANDING CONTRACT	DATE OF DELIVERY

*PROOF OF CONTRACT TO BE PRESENTED AT POST-QUALIFICATION.

_____ _____

Name and Signature of Authorized Representative Date

STATEMENT OF THE BIDDER'S ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

This is to certify that _____ has the following ongoing government and private contracts, including contracts awarded but not yet started:

NAME OF THE CONTRACT	DATE OF THE CONTRACT	CONTRACT DURATION	OWNER'S NAME & ADDRESS	KINDS OF GOODS/SERVICES DELIVERED	AMOUNT OF CONTRACT	VALUE OF OUTSTANDING CONTRACT	DATE OF DELIVERY

*PROOF OF CONTRACT TO BE PRESENTED AT POST-QUALIFICATION.

_____ _____

Name and Signature of Authorized Representative Date