REPUBLIKA NG PILIPINAS
KAGAWARAN NG KATARUNGAN
PANGASIWAAN SA PATALAAN NG LUPAIN
(LAND REGISTRATION AUTHORITY)
East Avenue cor. NIA Road, Diliman, Quezon City

MEMORANDUM
03 December 2024

FOR	:	**ALL PROSPECTIVE BIDDERS**
SUBJECT	:	**BID BULLETIN 2**
FOR	:	**PROCUREMENT OF ONE (1) YEAR SUBSCRIPTION OF CLOUD COMPUTING SERVICES**

This Bid Bulletin is hereby issued to all prospective bidders, for their information and guidance, on the submission of their respective proposals for the **Procurement of One (1) year Subscription of Cloud Computing Services**.

These changes, revisions, modifications or clarifications shall become an integral part of the Contract and Bidding Documents and shall be taken into account in the submission of the prospective bidders' sealed proposals.

I. Issue and Concerns

Ms. Nikki E. Brawner of Beacon Solutions, Inc. asked and clarified the following matters:

1. In the Technical Specifications Item No. 4: Database and Storage Configuration, may we request the specific storage, CPU, memory and operating system (OS) requirement for this component?

ANSWER: The minimum database storage requirement shall be 200GB; as for the other resources.

For CPU and memory specifications, the following baseline data should be used to prepare the technical proposal:

- Projected number of transactions per year: 500,000
- Concurrent users: 6,000
- Maximum file size per transaction upload: 75 MB

The Service Provider must set up and configure a cloud infrastructure that supports the PPSR application, ensuring it meets both current and future requirements for scalability, performance, and cost-efficiency.

2. With regard to the Virtual Machine Specifications, may we know how many virtual machines (VMs) should be configured per auto scaling group?

ANSWER: The VM specifications maximum requirement is 6,000 concurrent users with the ability to scale seamlessly to handle 12,000 concurrent users after 12 months. via auto-scaling group. The following baseline data should be used to prepare the technical proposal:

- Projected number of transactions per year: 500,000

- Concurrent users: 6,000
- Maximum file size per transaction upload: 75 MB

The configuration of the number of VMs per auto-scaling group should be designed to optimize resource utilization and maintain seamless performance based on these parameters.

3. Under the Data Sovereignty, Data Residency, and Data Privacy Compliance, it states that *"The Service Provider must comply with the Philippine Government's Cloud First Policy and Data Sovereignty Guidelines as set out in the relevant laws and regulations."*

May we know what proofs of compliance are acceptable for the requirements?

ANSWER: Acceptable proofs of compliance that shall be submitted during opening of bids include the following:
- Certification under privacy frameworks or similar standards, such as ISO/IEC 27001 (Information Security Management) or SOC 2, which demonstrate adherence to data protection best practices.
- Cloud Provider contracts or agreements such as Data Processing Agreements showing compliance with the data protection.
- A certification from the Cloud Provider ensures that the data remains protected throughout its transfer and use, complying with both the legal requirements of the Philippines and those of the foreign jurisdiction.

These documents must firmly affirm compliance with the Philippine Government's Cloud First Policy and Data Sovereignty Guidelines, as outlined in relevant laws and regulations.

4. Regarding the Qualifications of the Service Provider, it requires that the service provider must have proof of the necessary eligibility, experience, and expertise in providing the service, with the following credentials:

"The Supplier must have satisfactorily completed at least (5) projects similar to the proposed cloud solution." May we request the five (5) projects to be completed, at least three (3) of which were satisfactorily performed.

ANSWER: No, the requirement as stated in the Bidding Documents should be followed.

5. The service provider must have proof of the necessary eligibility, experience, and expertise in providing the service, with the following credentials: *"The supplier must have at least three (3) Security Operations Specialist with relevant experience"* and *"The supplier must have at least three (3) Certified Public Cloud Solutions Architect, at least two (2) of which are knowledgeable in multi-cloud".*

May we be clarified on what proof of eligibility, experience, and expertise in providing the service are acceptable?

ANSWER: Acceptable proofs of eligibility, experience and expertise that shall be submitted during opening of bids include the following:

- For Security Operations Specialists:
    - Resumes or curriculum vitae (CVs) detailing relevant work experience, projects, and roles in security operations.

- Certificates or training records from recognized cybersecurity frameworks or programs (e.g., CISSP, CISM, CompTIA Security+ or any related certifications).
- Employment records confirming their current roles and relevant experience in security operations.

- For Public Cloud Solutions Architects:
  - Valid certifications from leading cloud providers (e.g., AWS Certified Solutions Architect, Microsoft Certified: Azure Solutions Architect, Google Professional Cloud Architect).
  - Documentation of completed projects demonstrating expertise in cloud architecture and design.
  - Proof of multi-cloud knowledge (e.g., certifications from multiple providers or documented experience in multi-cloud deployments).

- General Supplier Eligibility:
  - Company profile highlighting relevant projects and services provided.
  - Client references or testimonials showcasing experience in similar engagements.
  - Compliance documents such as business permits or registrations confirming eligibility to operate as a service provider.

These documents must clearly emphasize that the service provider possesses the required qualifications, experience, and expertise as outlined in the eligibility criteria.

6. The service provider must have proof of the necessary eligibility, experience, and expertise in providing the service, with the following credentials: "*The Supplier must have a Certified Data Protection Officer who is an active member of the NADPOP.*"

May we know if we can use the previous Certificate of Beacon's Data Privacy Officer since the schedule for the exam is scheduled this December 2024?

ANSWER: Yes, we will accept the previous certification, provided that the certified DPO has a confirmed exam schedule, moreover the previous certification must have been issued by a duly certified institution accredited by the National Privacy Commission.

7. In the Qualifications of a Bidder, it requires that "*The Supplier must have satisfactorily completed at least (5) projects similar to the proposed cloud solution.*" and "*The Supplier must demonstrate proven experience in delivering cloud-based solutions specifically tailored to the needs of government agencies involved in personal property or land management*".

May we know if the projects to be presented should be local projects?

ANSWER: Both local and international projects are acceptable.

8. To ensure compliance with the necessary standards and procedures indicated under the Qualifications of Bidder, would you require the bidder to submit any ISO Certification?

ANSWER: The prospective bidder (partner vendor) must present at least an ISO 9001 Certification.

Mr. Jon Nucum of eCloudvalley Technology (Philippines), Inc. asked and clarified the following matters:

1. Is the application developed by whom? Does LRA have a license for this application?

   ANSWER: The application was developed by our contractor and the LRA holds a valid license for its use.

2. What are the specs needed for this application to run? Does this need to be changed?

   ANSWER: Please refer to the Terms of Reference (TOR) for the detailed specifications required for the application to run.

3. What are the DB used? Does this need to be changed?

   ANSWER: Please refer to the Terms of Reference (TOR) for the detailed specifications of DB required.

4. What is the current setup in terms of high availability, disaster recovery, 4 environments, and security?

   ANSWER: Please refer to the Terms of Reference (TOR) for detailed requirements.

5. Is there a diagram of the components for better understanding?

   ANSWER: The bidder has the free will to develop a comprehensive design based on the following baseline data:

   - Projected number of transactions per year: 500,000
   - Concurrent users: 6,000
   - Maximum file size per transaction upload: 75 MB

6. Regarding the workload, is there a specific day or week or month that the workload is deemed to be busy? Are there times the workload is not busy?

   ANSWER: The system will be used mostly by banks Monday to Friday from 8:00 AM to 5:00 PM

7. What is the Infrastructure as code used currently?

   ANSWER: This will depend on the proposed cloud service provider of the prospective bidder.

8. Data residency, where is this now? Where can it reside? Can be in SG?

   ANSWER: We prefer government data to be stored in the Philippines. If this is not possible, data can be stored in the Asia Pacific Region preferably in Singapore.

9. For the certified data protection officer, can he just join NADPOP after winning?

   ANSWER: The Certified Data Protection Officer must be previously certified NADPOP to qualify. Based on the Terms of Reference (TOR), the

Supplier must have a Certified Data Protection Officer who is an active member of the NADPOP.

II. Other amendments and clarifications

1. Name of Procurement Project

PARTICULARS	AMENDMENTS/CLARIFICATIONS
Procurement of One (1) year Subscription of Cloud ~~Service for the Personal Property Security Registry (PPSR) System for FY 2024)~~	PROCUREMENT OF ONE (1) YEAR SUBSCRIPTION OF CLOUD COMPUTING SERVICES

2. Cloud Infrastructure Overview

Section VII. Technical Specifications (D) Specifications	PARTICULARS	AMENDMENTS/ CLARIFICATIONS
D.1. Cloud Infrastructure Overview	The system must initially support 6,000 concurrent users, with the ability to scale seamlessly to handle ~~10,000~~ concurrent users after 12 months.	The system must initially support 6,000 concurrent users, with the ability to scale seamlessly to handle 12,000 concurrent users after 12 months.
D.1. Cloud Infrastructure Overview	The consolidated server must be capable of supporting 6,000 concurrent users initially and after 12 months should be scalable to accommodate ~~10,000~~ users without compromising performance.	The consolidated server must be capable of supporting 6,000 concurrent users initially and after 12 months should be scalable to accommodate 12,000 users without compromising performance.

3. Qualifications of the Service Provider

Section VII. Technical Specifications (13) Final Considerations	PARTICULARS	AMENDMENTS/ CLARIFICATIONS
Qualifications of the Service Provider	The Supplier must have satisfactorily completed at least (5) projects similar to the proposed cloud solution.	No amendment.

Please be reminded that all queries after the release of this Bid Bulletin will not be entertained. All provisions, conditions and statements in the bidding documents inconsistent with this Bid Bulletin are either modified or rendered ineffective, as the case may be.

End of Bid Bulletin No. 2: **Procurement of One (1) year Subscription of Cloud Computing Services.**

Issued on 03 December 2024

SPECIAL BIDS AND AWARDS COMMITTEE

SALVALENTE THADDEUS B. ELIZALDE
Chairperson