



Republic of the Philippines
 Department of Agriculture
Philippine Center for Postharvest Development and Mechanization
 Science City of Muñoz, Nueva Ecija, Philippines
 Telephone Nos. 09328696837 (Sun); 09178130852 (Globe) loc. 141/142/143/144;
 Email add.: amp@philmech.gov.ph

REQUEST FOR QUOTATION

RFQ No. : 23-11-1058
 PR No. : 23-11-E-756

Please quote your lowest price on the item/s listed below, subject to the General Conditions on the last page, stating the shortest time of delivery and submit your quotation duly signed by your representative not later than November 14, 2023.

The Philippine Center for Postharvest Development and Mechanization (PHilMech) reserves the right to reject any or all bids/quotations, to refuse to make an award for any item/s due to budget limitation, procurement regulations, or other similar valid causes and to waive any formality not affecting the substance of the bid as the interest of the government may require. It further assumes no responsibility whatsoever to compensate or indemnify suppliers for any expense/s incurred in the preparation of their quotation/s.

[Signature]
RICHELLE ANN L. MOROTA
 Authorized Official

 Buyer/Canvasser

ITEM NO.	QTY.	UNIT	ITEM AND DESCRIPTION		UNIT PRICE	TOTAL PRICE
			Per Request	Offer/Brand/Model		
1	1	service	Professional Service for Development and Implementation of the Biobanking Information Integration Management System (BIMS) for Stored-Product Arthropod - FP24 Project of the Food Protection Division <ul style="list-style-type: none"> • Customized integration of Baobab LIMS, Apache Hadoop and Apache Spark • Hardware provision, 3 nodes and configuration for BIMS • Development of APIs and Dashboard Integration • Data governance and compliance setup • Post-implementation support and maintenance for a defined period • System documentation and periodic performance reporting (Please see attached TOR) 			

Delivery Period : _____
 Price validity : _____
 Warranty : _____
 Terms of Payment : _____



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General Conditions

1. The Approved Budget for the Contract (ABC) is 700,000.00
2. Specifications herein provided are the minimum requirements of the PHilMech. Hence a supplier must not offer lower specifications than required.
3. Supplemental information shall be indicated/attached in the price quotation to reflect the complete specifications e.g., brand name, model, pictures/brochures of the offer.
4. Quotation must be inclusive of all costs and applicable government taxes, including delivery charges.
5. Award of the contract shall be made to the lowest complying/responsive bid/offer.
6. Price validity shall be forty five (45) calendar days from the deadline of submission of quotation.
7. For those with ABCs above Fifty Thousand Pesos (PhP50,000.00), suppliers shall submit copies of the following documents in support of their quotation, to wit:

- | | | |
|-------------------------------------|------|--|
| <input checked="" type="checkbox"/> | 7.1 | Current Mayor's/Business Permit |
| <input type="checkbox"/> | 7.2 | DTI/SEC Certificate of Registration |
| <input checked="" type="checkbox"/> | 7.3 | BIR Certificate of Registration |
| <input checked="" type="checkbox"/> | 7.4 | PhilGEPS Registration Certificate (Platinum) all pages |
| <input checked="" type="checkbox"/> | 7.5 | Omnibus Sworn Statement |
| <input checked="" type="checkbox"/> | 7.6 | Income/Business Tax Return |
| <input type="checkbox"/> | 7.7 | Professional License/Curriculum Vitae (Consulting Services) |
| <input type="checkbox"/> | 7.8 | PCAB License (Infra.) |
| <input type="checkbox"/> | 7.9 | Net Financial Contracting Capacity (NFCC) |
| <input type="checkbox"/> | 7.10 | Documents required as stated in the Technical Specifications |
| <input type="checkbox"/> | 7.11 | Others |

8. Supplier shall be responsible for the source/s of its goods/services/equipment, and which shall be in accordance with the schedule and specifications of the RFQ or PO. Failure of the supplier to comply with this provision shall be ground for cancellation of the award or purchase order issued to the supplier.
9. Payment shall be made only upon completion and acceptance by the PHilMech.
10. Supplier warrants that all goods/services/equipment to be provided are of acceptable industry standard.
11. Delivery period shall be indicated in the quotation. A penalty of 1/10 of one percent for every day of delay shall be charged as liquidated damages on the undelivered items/services.
12. Payment shall be made upon inspection and acceptance of delivery subject to prior submission of sales invoice/delivery receipt and other requirements as maybe necessary
13. In conformity with the Direct Payment Scheme via bank debit system, please credit/deposit payment to:
Name of Bank: _____
Bank Branch: _____
Account Name: _____
Account No.: _____

After having carefully read and accepted the General Conditions attached to the Request for Quotation, I/We quote you on the item/s at prices indicated above.

Printed name and signature of Authorized Representative

Designation: _____

Company Name: _____

Business Address: _____

~~PhilGEPS~~ Registration No.: _____

TIN: _____

Contact No/s.: _____

Email Address: _____



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October 18, 2023

(Annex A of PR No. _____)

TERM OF REFERENCE

Professional Service for Development and Implementation of the Biobanking Information Integration Management System (BIIMS) for Stored-Product Arthropods – FP24 Project of the Food Protection Division

I. Contract Description:

The contract pertains to the development, integration, and implementation of a Biobanking Information Integration Management System (BIIMS) that incorporates the Baobab LIMS for laboratory management, Hadoop for distributed data storage, and Spark for data analytics, aiming for a unified, scalable, and data-centric platform for managing complex structured and unstructured datasets in the biobanking of stored-product arthropods.

II. Contract Requirements / Scope of Services:

1. Contract Requirement

- Procurement and setup of required hardware: 3 nodes, with adequate storage, processing power, and network capabilities.
 - a. NameNode – Processor: Intel Core i7 (at least 4 cores, 8 threads), Memory: with initial 16 GB RAM and expandable to 64 GB, Storage: 500 GB SSD, Network: Gigabit Ethernet (1 Gbps) adapter, basic integrated GPU or minimum of NVIDIA GT 1030 or equivalent with CUDA Cores around 384 and memory of 2GB GDDR5, Linux operating system, complete with accessories.
 - b. Node 2 & 3 – Processor: Intel Core i7 (at least 4 cores, 8 threads), Memory: 16 GB RAM and expandable to 64 GB, Storage: 1TB SSD, Network: Gigabit Ethernet (1 Gbps) adapter, GPU: NVIDIA GTX 1060 or equivalent with CUDA Cores at least 1280 with 4GB GDDR5, Linux operating system, complete with necessary accessories.
- Development and integration of Baobab LIMS for sample tracking, data entry, and workflow management.
- Incorporation of Hadoop for efficient storage of both structured and unstructured data.
- Integration of Spark for advanced data analytics.
- Design and deployment of a comprehensive dashboard, through an open source software, for a unified view of data from diverse sources, including Baobab LIMS, experiments, weather, geographical data, digitization data, open source data and existing scientific literatures.



2. *Eligibility Requirements.*

- Manifested expertise in the deployment and management of open-source platforms like LIMS, Hadoop, Spark, as well as those used for dashboard creation.
- Portfolio showcasing previous similar projects.
- Bachelor’s degree (minimum of 4 years) in Information Technology, Computer Science, Statistics or a related course with data scientist and IT specialist certifications.

3. *Contract Obligations*

- Timely delivery of milestones:

No.	Deliverables	Target Due Dates
1	Initial operational cost	Fifteen (15) calendar days
2	Demonstration of the working model	Forty-five (45) calendar days
3	Delivery of hardware and completely integrated system with necessary API as well as dashboard development and integration, testing and initial deployment, and data governance & compliance setup	Forty-five (75) calendar days
4	Feedback collection, system refinement & training	Fifteen (30) calendar days
5	Final Deployment and Handover	Fifteen (15) calendar days
Total duration		One hundred eighty (180) calendar days

- Regular status updates and adherence to transparency in communication.
- Ensuring data compliance with local and international regulations and maintaining data security, quality, and accuracy.

4. *Others*

- Commitment to provide post-implementation support for a specified period.
- Adherence to ethical standards and best practices in software development and data handling.

III. Other Contract Obligations

- Training of biobanking staff in system usage and basic troubleshooting.
- Comprehensive documentation delivery, covering all project phases, and functionalities.

IV. Contract Representations and Warranties

- The service provider assures the use of the latest technology and best practices for system robustness, scalability, and security.
- All software integrations, coding, and configurations will be free from material defects and malicious code.



V. Payment

- Total Contract Price: PHP 700,000
 - Breakdown:
 - Hardware Acquisition: PHP 400,000.00
 - Professional fee PHP 300,000.00
- Payment Terms:

No.	Particulars	Percent Payment
1	Initial operational cost	10
2	Demonstration of the working model	50
3	Delivery of hardware and completely integrated system with necessary API as well as dashboard development and integration, testing and initial deployment, and data governance & compliance setup	20
4	Post-implementation and training	20

VI. Other Contract Provisions

- All work products, including studies, modifications, reports, models, structures, data, codes, and software, developed during the professional service will be the intellectual property of PhilMech. The provider must hand over all such materials to PhilMech and refrain from using them outside the agreed-upon purposes. Should any of these products inherently include the provider's intellectual property, PhilMech must receive a perpetual license for its use.
- The service provider will not retain any rights to the intellectual property or data created during the contractual period. When external software or tools are employed, it's the service provider's duty to ensure they come with the necessary licenses, unless stated otherwise.

VII. Contract Effectivity and Grounds for Termination

- The contract is effective upon signing and will remain so until project completion, unless terminated by either party due to breach of obligations or unsatisfactory performance. Termination requires a written notice 30 days in advance and any dues settled based on work completed.

Prepared by:


ANGELO A. DELA FUENTE
Science Research Specialist II

Reviewed and Recommended by:


MIA V. DELA CRUZ
Division Chief, FPD

Approved:


DIONISIO G. ALVINDIA, PhD.
Director IV