



BIDS AND AWARDS COMMITTEE

Bid Bulletin No. 1 for 24TH PB CY2024

1. PROCUREMENT OF SUPPLY AND DELIVERY OF REAMD's ONE (1) LOT FIELD SUPPLIES FOR CY2024

-NONE-

2. PROCUREMENT OF DOE's ONE (1) LOT DATA CENTER EQUIPMENT FOR CY2024

A. Section VII. Technical Specifications:

DOE Requirements	For Clarification	Response
Item 1: SMART Un-interruptible Power Supply (UPS) Battery Type: Maintenance-free sealed Lead Acid Battery with Suspended Electrolyte: Leakproof	Could you consider switching to a higher-quality battery, such as lithium-ion, instead of lead-acid? This change would provide a longer battery lifespan.	The battery type is the minimum requirement; however, the supplier may offer higher quality battery as long as it complies with the other specific specifications as indicated in the TOR

3. PROCUREMENT OF DEVELOPMENT OF THE ENERGY DISASTER INFORMATION AND MANAGEMENT SYSTEM (EDIMS) FOR CY2024

A. Section III. Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: a. Similar contract related to data gathering, collection, analytics, and system integration. b. Completed within two (2) years prior to the deadline for the submission and receipt of bids

B. Other Clarifications/ Queries:

- Please see attached ANNEX A

4. SUPPLY AND DELIVERY OF ONE (1) LOT HIGH RESOLUTION AND HIGH-SPEED CAMERA DRONE AND ACTION CAMERA FOR CY2024

A. Section VII. Technical Specifications/ Terms of Reference

TERMS AND CONDITIONS

Additional Requirement:

- **The supplier shall conduct the Remote Piloted Aircraft System (RPAS) training.**
 - **The training should be conducted by CAAP authorized providers that conduct drone training**
 - **Provide a training certificate issued by the CAAP authorized training provider to at least six (6) DOE personnel**

5. PROCUREMENT OF SERVICES FOR THE DEVELOPMENT OF THE ENVIRONMENTAL MANAGEMENT MONITORING AND EVALUATION SYSTEM (EMMES) AND THE ENERGY PROJECT MONITORING AND EVALUATION SYSTEM (EPMES) FOR CY2024

A. Section III. Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none">a. Similar contract related to data gathering, collection, analytics, and system integration.b. Completed within two (2) years prior to the deadline for the submission and receipt of bids

B. Section VII. Technical Specifications/ Terms of Reference

Additional requirement

- **Network switches are required to be provided by the supplier**

Clarifications/ Queries:

- **Please see attached ANNEX B**

This Bid Bulletin forms part of the Terms of Reference. All other terms and conditions in the Bid Documents and other Bid Bulletin issued by the DOE-BAC not inconsistent with this Supplemental/Bid Bulletin shall remain valid and effective.

Approved for Issuance:

(sgd)
GIOVANNI CARLO J. BACORDO
*Undersecretary and
Chairperson, BAC*

DEBM/jjad/fgd/jcl

ANNEX A

24 TH PB CY 2024 - PROCUREMENT OF DEVELOPMENT OF THE ENERGY DISASTER INFORMATION AND MANAGEMENT SYSTEM (EDIMS) FOR CY2024

Description	Queries/Clarifications	Response
Weather Provider Data subscription	Is this different from PAGASA?	Yes, these will require a separate service provider
Natural Hazards	Will these be coming from APIs of PHIVOLCS? PAGASA? do we have access to these data now?	Not all, other geo risk/ Hazards sources and data will be provided by end-user. Access to the API of data sources will be provided through DOE.
ICT systems to be integrated with EDIMS	Does it have to be thru API call from the likes of GeoRiskPH and REDAS? because analysis and reporting is much safer and faster if Hazard datasets are already in the in-house server	Not all, other data may be in raw form/ database that will be provided by end-user
General Inquiry	It says " <i>Calculate Affected Facilities by Weather and Earthquake</i> " - who will define these parameters and extent of effect? What is the threshold/demarcation line that says a 'experienced' an earthquake and a Facility is 'affected' by the earthquake. Same question for weather. Wind, Flood, Rainfall, etc	The end-user will define all parameters/ criteria by end-user
Role: Responsible for the execution of the project Experience: At least five (5) years of management experience of IT related project Education: Bachelor's Degree Certification: Certified Project Management Professional or equivalent	<i>"Certified Project Management Professional or equivalent"</i> Are Project Management training, ITIL certification, and Six Sigma White Belt considered acceptable?	The certification requirement is as stated in the TOR.

<p>9.1 Compliance The SP shall adopt the following during development: a) International Cybersecurity Standards b) ISO 27000 Family Standards c) National Institute of Standards and Technology (NIST) Framework d) Data Privacy Act of 2012 e) Other secure software development guidelines and practices such as Open Worldwide Application Security Project (OWASP).</p>	<p>Does the statement that "<i>the SP shall adopt the following during development - ISO 27001 family standards</i>" imply that the SP must implement these standards in their practices, but does not require formal ISO 27001 certification?</p>	<p>Yes, the SP shall adopt all the required practices, standard guidelines as stated in TOR.</p>
<p>Minimum Server and Software Specification Requirements</p>	<p>Do you have a preferred cloud hosting solution for the server?</p>	<p>No preferred cloud hosting services</p>

Query	Response
<ul style="list-style-type: none"> Size of the existing databases in term of records to be ported into the new system 	<ul style="list-style-type: none"> Data requirements for the system will be sourced through direct connection at existing databases and other raw data that will be provided by end-user.
<ul style="list-style-type: none"> What is the expected amount of users to interact with the system? 	<ul style="list-style-type: none"> The amount of end-user will be based on a system that includes a public facing interface.
<ul style="list-style-type: none"> Format of the incident report? 	<ul style="list-style-type: none"> Design of all templates will be provided by end-user.
<ul style="list-style-type: none"> Geographic layers: what is the amount of layers supported by the system? 	<ul style="list-style-type: none"> As indicated in TOR.
<ul style="list-style-type: none"> Generation of reports, how is this expected to be generated? AI automatically generated or manual input? 	<ul style="list-style-type: none"> The required generated report will be based on certain requirement with specific details and template.
<ul style="list-style-type: none"> Any processing of the report to be expected such as OCR, Layout identification, image classification and segmentation? 	<ul style="list-style-type: none"> Yes, these properties/ features are required

ANNEX B

24th PB CY 2024 - Procurement of Services for the Development of the Environmental Management Monitoring and Evaluation System (EMMES) and the Energy Project Monitoring and Evaluation System (EPMES) for CY 2024

Item Specification	Query	Response
Minimum ICT Hardware Requirements:		
1. Physical Server (Quantity:5)	<ul style="list-style-type: none"> • May we know what version of Linux will be installed on the server? • May we know what is the network speed and connectivity on the server going to the physical storage? Examples: 1GB, 10GB Base-T or 10GB SFP+? 	<ul style="list-style-type: none"> • Latest or as may be required by DOE system • 1 Gbps
	<ul style="list-style-type: none"> • May we know how much data will be stored for each server? 	<ul style="list-style-type: none"> • Minimum 500 Gb expandable
2. Rack (Quantity: 1)	<ul style="list-style-type: none"> • May we know how many PDUs are needed? • May we know if you will you require a swing-out perforated double front door/backdoor with twist lock handle? • May we know how many exhaust fans will be needed? 	<ul style="list-style-type: none"> • 2 • Any type of front/rear door w/ lock (any lock) • Minimum of 2

<p>3. Physical Storage for Backup (Quantity: 2)</p>	<ul style="list-style-type: none"> • Based on the TOR, this is a server specification. May we know if you will require a Direct Attached Storage, Network Attached Storage or Storage Attached Network? May we know what will be the protocol? Would it be FC, ISCSI or NFS? • May we know what is the usable capacity required for the storage? Is 42TB the usable storage capacity? • May we know what is the RAID requirement? • May we know if this is an all- flash storage, hybrid or pure- HDD? • May we know if we can request for an infrastructure diagram for this project for us to understand the connection between the hardware? 	<ul style="list-style-type: none"> • NAS • NFS - Any compatible with the system • 48 TB • As stated in the TOR • Mixed • It is included as a service provider scope of work under TOR
<p>4. Bill of Materials - Item No. 2. Subscription License - Online Backup Solution (Quantity:1)</p>	<ul style="list-style-type: none"> • May we know the number of workstations this is intended for? • May we know the number of servers this is intended for? 	<ul style="list-style-type: none"> • 4 • EMMES • EPMES
	<ul style="list-style-type: none"> • May we know how much is Cloud Storage Capacity requirement? • May we know the number of virtual hosts? • May we know how much is the Public Cloud capacity requirement? 	<ul style="list-style-type: none"> • None • N/A • N/A

5. Bidder's Minimum Qualifications:		
<ul style="list-style-type: none"> ○ Business Analyst Requirement: 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”
<ul style="list-style-type: none"> ○ Database Specialist Requirement: 2 (one each for EMMES and EPMES) 	<ul style="list-style-type: none"> • Could we kindly request consideration for candidates with an educational background at the undergraduate level who have over 3 years of experience in designing and implementing RDBMS or No-SQL databases? 	<ul style="list-style-type: none"> • As required in the TOR
<ul style="list-style-type: none"> ○ Full Stack Developers Requirement: 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”
<ul style="list-style-type: none"> ○ User Interface/ User Experience (UI/UX) Designer Requirements: 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”
<ul style="list-style-type: none"> ○ Quality Assurance Engineer Requirement: 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”
<ul style="list-style-type: none"> ○ Data Privacy Specialist Requirement: 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”
<ul style="list-style-type: none"> ○ Solutions Architect/ Developer 4 (two each for EMMES and EPMES) 	<ul style="list-style-type: none"> • May we know if this requirement could be adjusted to just 2 personnel, as they would have the same qualifications and can manage the tasks effectively? 	<ul style="list-style-type: none"> • The requirement is adjusted to “at least two (2) personnel”

Query	Response
<ul style="list-style-type: none"> • Can you clarify the format of the different incoming input data? 	<ul style="list-style-type: none"> • The format of the different incoming data are web forms, flat files, PDF, tables, databases, text, numbers, dates, cost with attached picture, graph, excel, etc.
<ul style="list-style-type: none"> • Is the incoming data expected to be structured or unstructured 	<ul style="list-style-type: none"> • The incoming data expected is both structured and unstructured data.
<ul style="list-style-type: none"> • How are the report expected to be generated, automatically through AI? 	<ul style="list-style-type: none"> • The required generated report will be based on certain requirement with specific details and template.
<ul style="list-style-type: none"> • Any processing of the report to be expected such as OCR, Layout identification, image classification and segmentation? 	<ul style="list-style-type: none"> • Report should have all the required formats, classifications, layout, segmentation OCR, adaptable to different media and other user processing properties.