



Bid Bulletin No. 1
20 December 2022

PUBLIC BIDDING No. 012-2022

Supply, Delivery, Installation, Configuration, Commissioning and Testing of Data Center for the Procurement Service – Department of Budget and Management (PS-DBM) Offices

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the Pre-Bid Conferences held on **13 December 2022**.

A. AMENDMENTS

REFERENCE	JUSTIFICATION/ EXPLANATION
SECTION VII: TECHNICAL SPECIFICATIONS	
<p>Page 38</p> <p>xxx</p> <p>C. Elevated Genset Pad General Scope: The Contractor shall design and build the erection of an Elevated Genset Pad over the existing Genset House with corresponding external fuel tank. 1. Foundation: The Contractor shall conduct Excavation, backfilling, and dewatering as required for foundations, and concrete structures installation. Including forming, placing, and finishing of all concrete foundations, floor slab, and concrete structures including reinforcement and installation of anchor bolts, post installed anchors, gaskets, special fasteners and connections needed, and all other necessary embedded materials. 0. The Contractor shall install a retractable metal staircase at the rear side of the elevated Genset House. 0. The Contractor shall Install Grid Wall Panel Wire Mesh for the GenSet House walling with two sliding door openings on the rear side of the GenSet House.</p> <p>xxx</p>	<p><i>To delete the requirement on Elevated Genset Pad.</i></p>

<p>Page 39</p> <p>F. Structured Cabling</p> <p>xxx</p> <p>0. Layout, termination and testing of 6-core multimode fiber backbone from the existing data center to the new data center. (CAT 6A and Fiber Optic)</p> <p>xxx</p>	<p><i>Additional to the requirement.</i></p>
<p>Page 46</p> <p>Server, Licenses, Storage, Services (Hyperconverged Infrastructure)</p> <p>xxx</p> <p>B. Hardware Requirements:</p> <p>xxx</p> <p>v. Usable capacity of at least 99 49 TiB (without compression or deduplication)</p> <p>xxx</p>	<p><i>To correct the typographical error in the requirement.</i></p>

B. CLARIFICATIONS

CLARIFICATION/S	RESOLUTION/S
GENERAL	
<p>Would you allow us to use our UPS supplier's engineer's certification? We can provide a certificate indicating that our UPS supplier will support us from the installation, support, and maintenance of the UPS included in this project.</p>	<p>Yes, provided that the electronics/electrical engineer meets the minimum requirements as follows:</p> <ol style="list-style-type: none"> 1. fully certified by the vendor on the similar UPS product being offered 2. with a minimum two (2) years' experience in the UPS-Electrical System installation, configuration and troubleshooting. 3. should have completed the training course for the equivalent or similar UPS Certification Program from the Manufacturer.

<p>Would you allow us to use our partner's Data Center Professional certification and is it possible to set the years of employment to 1 year?</p>	<p>Yes.</p> <ol style="list-style-type: none"> 1. Certification can be issued by your partner provided that the data center professional is employed by the bidder. 2. Years of employment can be set to One (1) year provided that data center professional has a minimum experience of Three (3) years.
<p>As discussed during the Pre-Bid Conference, the Certified, Authenticated as true copy of the licenses, certifications and permits shall be required only during post qualification. Bidder may submit the original copy or may show proof to validate the authenticity of the documents submitted. Please confirm thru bid bulletin.</p>	<p>Yes. The copy of original documents can be presented during post qualification.</p>
<p>For the SLCC, Bidder may just opt to submit any of the documents listed under BDS 20.2 item 4, kindly confirm thru bid bulletin.</p>	<p>Yes. Any verifiable document will be acceptable to substantiate the bidder's claim that the contract has indeed been completed.</p>
<p>For the Conformity on the Technical Specifications, the bidder shall only submit the signed statement of compliance; proof of compliance with the bidder's actual offer shall be submitted only during the post-qualification. Please confirm.</p>	<p>Yes</p>
<p>LOT 1</p>	
<p>For the civil works as per site survey. The window will be removed, making it a concrete wall for efficient cooling, security purposes and aesthetic look.</p>	<p>Yes. Provided that the total cost will not exceed the ABC.</p>
<p>Will you allow us to propose our new layout for the Data Center and ITSD Office to lessen the downtime during migration of the existing equipment?</p>	<p>The requirement remains.</p>

What is the clearance of the step from the Data Center to the Office Area? It will be very near the window?	Please refer to Component 1 A. General Scope 1. Elevation
Please confirm if we shall consider proposing a partition in the office area since the Data room will be longer.	Please refer to the Terms of Reference / Detailed Plan
Please confirm if the proposed CHB wall partition will be from floor to 2nd floor ceiling line. Also, please provide a height ceiling slab to floor finish.	The existing CHB partition wall is 70mm lower than the 2nd floor ceiling.
Shall we refurbish or provide a new window for the Proposed Fire Exit Area?	Provide new window
Please confirm if we shall relocate the ACU pipe line attached to the wall outside the proposed Fire Exit.	No.
Please confirm the following details gathered during the site inspection: - The tapping point of PACU water supply will be at the existing toilet near the data center. - Dismantling of Existing 4 units Aircon unit by Client. - The location of the Fire Suppression Tank will be inside the Data Center. - Decommissioning of Existing 2 units Data Rack. - System Voltage 220v-240V/ 3Ph/60Hz.	1. The PACU shall be Air-cooled and row-based type. 2. No, the PS-DBM GSD will repurpose the existing ACU's on the server and ITSD room 3. No, it should be located on the ledge adjacent to the server room. 4. ITSD will be the one to decommission the existing Data Rack provided that the data and applications are migrated to the new servers by the winning proponent. 5. Yes
Please confirm the Slab to Slab Height.	The winning proponent may request for the as-built plan of the PS-DBM building during the contract implementation.
Please confirm the Ceiling Void Height to consider for the design of fire suppression at void ceiling.	70 mm
Please provide the definite measurement of the Proposed Data center that will extend to the ITSD office area.	Please refer to the Terms of Reference / Detailed Plan / Proposed Data Center Layout. Clear copy can be provided upon request.

<p>Please confirm the following details gathered during the site inspection:</p> <ul style="list-style-type: none"> - There is 1-15Kva UPS inside each server racks (2 existing Server racks) - The 2 existing server racks will be decommissioned. The PABX and CCTV controls is to be retained but to be relocated. - The additional genset might not be part of the scope as well as the installation of the transformer. - System voltage is 220-240V, 3-phase. (As discussed during the site inspection) - There are 2 options for the tapping point: <ul style="list-style-type: none"> ▪ If there is new installation of genset, tapping point is 1600AT (No label of panel board) (As discussed) ▪ If an existing genset is used, the tapping point is 800AT at MTS. - ECB rating for UPS1 and 2 is rated 100AT. (Note: The branch circuit rating inside the panel board is 60AT only) - Upon installation of the new exit door, there are 7 sets of 3/4" IMC pipes with 2-8.0 mm² and 1-5.5 mm² wires that will be affected. These are the power supply for AC units. 	<p>Yes to all. For the genset, please refer to the above amendment.</p>
<p>Requesting for Single line diagram, as-built, proposed layout for Electrical and Structured Cabling, FDAS.</p>	<p>Will be provided to the winning bidder.</p>
<p>What is the battery back-up time for UPS?</p>	<p>At least 35 Minutes</p>
<p>Please provide scope of works for Genset and Transformer.</p>	<p>Please refer to the above amendment</p>
<p>Please verify tapping point including the 1600AT and 800AT</p>	<p>Yes.</p>
<p>Please provide location of existing transformer and the new transformer (If there will be additional)</p>	<p>Please refer to the above amendment</p>

Do we need to replace the existing lighting with LED lights?	Please refer to Component 1 B.3: Electrical components
Will the rerouting of 7 sets of IMC pipe (located outside room / ledge) for AC units be part of our scope of works?	Yes
Please provide equipment layout/design for the temperature sensors, humidity sensors, vibration sensors, smoke detectors and water leak detection sensors.	This is dependent on the layout of the Data Cabinets.
How many recipients for the SMS alert messages?	15
Should we consider water leak detection system on the flooring since there is no raised flooring system? This can be a trip hazard.	Yes
What is the required access control & security device for the fire exit?	Not accessible outside.
LOT 2	
Will you not require a PCAB License for this project?	No requirement for PCAB
Philgeps Data Center Package, the schedule of requirements shall be 90 calendar days. Please consider an extension of at least within 160 days as due to global shortage, the lead time for the active components will take 120-150 days, we still need to have time for the installation, testing and configuration.	Please refer to above amendment <i>Given the urgency of implementation as the PhilGEPS shall fully implement starting 1st quarter of 2023)</i>
What is the size of the Glass swing Door?	It depends on your design as long as it is fitted in the right side of the data center from the wall to the building's post area (please refer to the floor plan). The thickness of the glass door is 3/8 (the same thickness for the front area of the data center)

<p>Please confirm the following details gathered during the site inspection:</p> <p>Dismantling of Existing 1 unit Aircon unit by Client.</p>	<p>Procurement Service will be responsible for the dismantling of 1 unit Aircon.</p>
<p>Please confirm that the required Fire Suppression System is FM200.</p>	<p>Yes</p>
<p>Provide the definite measurement of the Proposed Data center</p>	<p>Stipulated under non active component = 5.70 x 3.70 Meters with and average of 21 sqr/m</p>
<p>Please confirm the following details gathered during the site inspection:</p> <p>There will be 2 new server racks and the existing will be retained inside the room</p> <p>As observed, there is a twistlock plugged-in a normal power outlet.</p> <p>System voltage is not verified but panel board ratings states: 400/230V, 3phase</p> <p>As discussed during the site survey, we should include 2-units of 10Kva (not included in the bid docs). Please provide detailed specifications of the requirements.</p> <p>Relocation of switch for lightings</p>	<p>- YES</p> <p>- YES</p> <p>- YES</p> <p>- two (2) units of the 10kVA/10kW(2U) On-Line (a total of 20 KVA battery)</p> <p>Tap into the existing lightning power intended for the Data Center or incorporate the lighting in the data center's power break.</p>
<p>Requesting for Single line diagram, As-built, proposed layout for Electrical and Structured Cabling, FDAS</p>	<p>Colored copy of the Layout shall be provided.</p> <p>Please see attached layout labeled as "Annex A".</p>
<p>Please verify the System voltage of the building.</p>	<p>It shall be provided upon request (subject for the approval of the owner)</p>
<p>Is the existing Server rack connected to the normal power?</p>	<p>Yes, it is connected to the normal power.</p>

Please verify if the existing server racks will be decommissioned	The existing server shall be taken care of internally by our team, if not decommissioned it shall be aligned with the new network configuration of the data center.
Please provide the required UPS capacity and quantity of the UPS.	2 Units of 10kVA/10kW(2U) a total of 20kVA Battery

The herein amendments form an integral part of the bidding documents. Correspondingly, all other provisions in the bidding documents affected by these amendments are similarly amended or modified.

The clarifications made explain in greater detail the purpose or intent of the requirement and do not necessarily amend that particular provision in the bidding documents.

All attached revised forms shall supersede previous issued forms through this Bid Bulletin. Please be guided accordingly.

SIGNATURE REDACTED

MARIA JENNIFER R. JIMENEZ

Chairperson, Internal Bids and Awards Committee

For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) Double Strike out – denotes deletion; (b) Underline – denotes inclusion or new item/requirement; and "xxx" – denotes separation of phrase/s being amended from the rest of the main text.

