

**SUPPLEMENTAL/BID BULLETIN NO. 2  
FOR LBP-ICTBAC-ITB-GS-20230928-03**

**PROJECT** : Precision Air-Conditioning Unit at  
LANDBANK Data Center – Head Office

**IMPLEMENTOR** : ICT-BAC Secretariat Unit

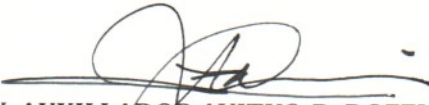
**DATE** : November 24, 2023

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This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an intergral part of the Bid Documents.

**Modifications, amendments and/or clarifications:**

1. Responses to bidder's query/clarifications per attached **Annexes "G-1" to "G-5"**;
2. The deadline for Bid Submission is on 01 December 2023 (Friday) at 10 A.M. However, the time for the **Opening of Bids is moved from 10 A.M. to 2 P.M. on 01 December 2023 (Friday)**.
3. The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.



**ATTY. AUXILLADOR AVITUS. D. DOFELIZ**  
Head, ICT-BAC Secretariat

## RESPONSES TO BIDDER'S QUERIES AND/OR SUGGESTIONS

DATE	November 24, 2023
PROJECT IDENTIFICATION NO.	ITB-GS-20230928-03
PROJECT NAME	Supply, Delivery, Installation, Testing and Commissioning of Precision Air Conditioning Unit (PACU) at LBP Head Office
PROponent UNIT/TECHNICAL WORKING GROUP	DATA CENTER MANAGEMENT DEPARTMENT

ITEM NO.	PORTION OF BIDDING DOCUMENTS	QUERIES AND/OR SUGGESTIONS	LANDBANK'S RESPONSES
1. Capacity and Performance	<b>1. CAPACITY AND PERFORMANCE</b>  The proposed precision cooling must have a total capacity of at least 90kW	We'd like to request to consider a total capacity of at least 87 kW. In terms of conversion from the needed 25TR, the corresponding cooling capacity in terms of kw would be 87.93. Cooling in kW = Cooling in TR x 3.517 <b>Cooling in kW = 25 x 3.517 = 87.93</b>	NO.
2. Compressor	<b>2. PERFORMANCE</b> COMPRESSOR Part Loading at 20% Minimum	We'd like to request the part loading to be redacted since the compressor based on the previous items is inverter type meaning the PACU will supply the needed cooling based on the heat load. This may mean that the heat load on certain days of the year to be lower than 20%.	NO.
3. Fan	<b>2. PERFORMANCE</b> FAN ESP: 80Pa	We'd like to clarify that this is the maximum external static pressure allowed and you will accept a lower external static pressure as high static pressure already indicates that there is higher resistance in the system giving unwanted wear and tear to the equipment.	NO.
4. Fan	<b>2. PERFORMANCE</b> FAN  Sound Pressure Level: Maximum of 50dB (A)	We'd like to request to consider a 70dB sound pressure level at 2-meter distance from the equipment. In terms of the higher sound pressure, our team will recommend to provide additional vibration pads in order to lessen the sound.	NO.
5. Humidifier	<b>2. PERFORMANCE</b> HUMIDIFIER  Power abs. At least 6kW	We'd like to clarify that the absorbed power must be maximum 6kW as higher absorbed power will result in higher operational expenses. Hence, a lower absorbed power shall be considered.	NO.
6. Humidifier	<b>2. PERFORMANCE</b> HUMIDIFIER  Steam Type Humidifier Bottle	Is it possible to consider a steam cylinder as this gives the same humidification requirement with higher system efficiency and energy savings?	NO.

ANNEX "6-1"

7. Indoor Unit	<b>2. PERFORMANCE</b> <b>INDOOR UNIT</b>  Maximum of Width: maximum of 2584; Height : Maximum of 1990, Depth : Maximum of 890, Weight : Maximum of 1100 kg	We'd like to request to consider the following dimensions since based on the conducted site visit, the location of the PACU can still accommodate the footprint. In addition, although the footprint is higher, the equipment itself is lighter in terms of the weight therefore reducing the concerns for weight load.  a. Width: 2650 mm b. Height: 2150 mm c. Depth: 900 mm d. Weight: 835kg	NO.
8. Framework	<b>3. STANDARD UNIT</b> <b>COMPOSITION</b> <b>FRAMEWORK</b> Frame in aluminium profile, painted with epoxy powders. The inner frame is provided with seals for the panels.	We'd like to request that a different material (Melamine) to ensure the needed seal for the indoor unit with high heat and sound proofing capabilities.	NO.
	<b>FRAMEWORK</b> Panels insulated with polyurethane foam and seals to ensure air tight	We'd like to request to consider the use of RAL9003 epoxy-polyester paint, which ensures long-term durability of the original features	NO.
	<b>FRAMEWORK</b> Removable lateral and back side panels	We'd like to request that only the front panel is removable as the equipment is made such that all needful access in terms of installation and servicing can be done with the front panel removed	NO.
9. BLDC Inverter Compressors Section	<b>3. STANDARD UNIT</b> <b>COMPOSITION</b> <b>BLDC INVERTER</b> <b>COMPRESSORS SECTION</b> Crankcase heater for each compressor	Is it possible to have the crankcase heater to be redacted from the specifications? Usually, crankcase heaters are used to help during the start up of the unit in low temperatures. This kind of temperature however is not observed in the Philippines.	NO.
10. Cooling Section	<b>3. STANDARD UNIT</b> <b>COMPOSITION</b> <b>COOLING SECTION</b>  Frame in galvanized steel or peralluman	We'd like to request to consider a hot zinc plated sheet steel which serves the same purpose of noise reduction, and air tightness.	NO.
11. Electrical Panel	<b>3. STANDARD UNIT</b> <b>COMPOSITION</b> <b>ELECTRICAL PANEL</b> In Accordance with EN60204-1 Norms suitable for indoor installation	We'd like to request to consider a PACU unit that is compliant with Machine Directive 2006/42/EC (MD) stating that the device is withing the health and safety requirements of EU similar to the EN Standards	NO.

12.  Technology	<b>6. TECHNOLOGY</b> Fans must have an innovative design of composite material blade, a 25% energy saving and a 4-5 db(A) noise reduction are possible compared to previous generations of fans	In line with the needful, we like to ask for you to consider EC fans with blades made high-tech compound material with optimized flow control and high-efficiency GreenTech EC motors with a low moment of inertia therefore lowering energy consumption, and noise reduction.	NO.
13.  In regard to the Schedule of Requirements	<b>13. PROJECT TIMELINE</b> Delivered, weeks/months within ninety (90) calendar days to commence seven (7) days after receipt of Notice to Proceed or release of approved permit	We'd like to request to extend the delivery period to 150 calendar days as most PACU suppliers have this lead time since the equipment is manufactured to order and is modified based on the requirements.	NO.
14.  From Bid Annex, Item 8. Quality and Documentary Requirements	<b>8. QUALIFICATION REQUIREMENTS</b>  The Supplier must be an authorized distributor or reseller of the offered PACU.	We'd like to check if you will be needing the highest level of partnership of the bidder to the brand manufacturer of the PACU to be supplied? In this case, we'd like to check if you will be needing the following certificates/documents?  a. Tier 1 / Premier Partner / Elite Partner / Highest Level of Partnership of the reseller with the OEM brand ensuring that the bidder has the capability to offer the PACU solution and has the necessary technical skills to install the units. This will ensure that the prospective bidder is supported by the OEM to undertake the project  b. Certificate of at least one personnel for Data Center Fundamentals provided by the brand manufacturer ensuring that the bidder has technical personnel with the knowledge in terms of offering and creating solutions based on standards.  c. A three (3)-Tier support with local office and local hotline numbers speaking the local language in order to ensure that the communication between the LBP and the support for ease of communication and support - OEM (Brand Manufacturer) with at least twenty (20) years of presence in the Philippine Market - Authorized Distributor - Authorized Reseller The 3-tier support ensures that during the 10-15 years life cycle of the PACU, the equipment is ensured to have the proper support in terms of its after sales on multiple level as the lower levels of support may be affected by the market dynamics. Ultimately, the 3-Tier support ensures that the provided equipment can be supported by a locally present brand manufacturer.	NO.

15.  Annex, Item 14	<b>14. DOCUMENTATION</b>	We'd like to clarify that you will be needing all the Brochures, Manuals, Performance Data, Methodology, Project Timeline / Gantt Chart, Spare parts list, Maintenance Scope of Work, Electrical Single Line Diagram, Mechanical Schematic Diagram, Shop drawings, and Layouts during the execution of the project and shall be submitted once the project has been awarded?	YES.  Must be submitted by the Winning Bidder
16.	<b>8. QUALIFICATION REQUIREMENTS</b>  Site Survey: Prior to submission of bidding proposal, the vendor/supplier must coordinate with LANDBANK-DCMD to conduct a site survey for the PACU installation site. The survey is necessary to ensure that the PACU will be able to function properly and according to plans or expectations.  The site inspection will be conducted at least five (5) calendar days before opening of bids from Monday to Friday 9:00am-5pm. Contact persons are Mary Jane Ramirez and Dyemmarie Sabanal with email addresses jlr Ramirez@mail.landbank.com and dsabanal@mail.landbank.com, respectively. Both can be contacted thru phone number 8-5220000 local 7763.	When will be the schedule of site inspection?	This is indicated in the TOR.  The site inspection will be conducted at least five (5) calendar days before opening of bids from Monday to Friday 9:00am-5pm. Contact persons are Mary Jane Ramirez and Dyemmarie Sabanal with email addresses jlr Ramirez@mail.landbank.com and dsabanal@mail.landbank.com, respectively. Both can be contacted thru phone number 8-5220000 local 7763.
17.	<b>2. PERFORMANCE FAN</b>  AIR Flow rate : at least 20000 m <sup>3</sup> /h	20,000 m <sup>3</sup> /h is very high for pacu data center application. Should not exceed 180000. Pls confirm.	NO.
18.	The Winning Supplier must complete the replacement of the PACU's Ninety Days (90) calendar days to commence 7 calendar days after receipt of Notice to Proceed (NTP) or release of approved permit.	1. Would you consider to extend the completion of project instead of 90 days? If would be considered we would like to request at least 150 days for the completion of the project 2. Would you consider service unit while waiting for the actual permanent Precision Air Conditioning Unit?	NO.

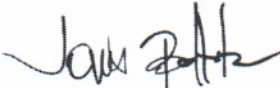

ANNEX "6-4"

19.	The Supplier must have completed a contract for PACU installation in Data Center for one (1) local Universal Bank other than Landbank and one (1) from another organization/industry.	For the 2 project references, would you consider two data center projects from other industry other than bank since the project is about data center?	NO. Please refer to the requirement in the TOR.  The Supplier must have completed a contract for PACU installation in Data Center for one (1) local Universal Bank other than Landbank and one (1) from another organization/industry.

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