



SUPPLEMENTAL / BID BULLETIN
UNIVERSITY OF THE PHILIPPINES MANILA
The Health Sciences Center
Bids and Awards Committee 1
Taft Avenue, Manila
Trunk Line No. 8554-8400 Local 3014/3015



BAC ADDENDUM NO. 2020-071

**for the One (1) Lot of Supply, Delivery, Installation, Testing and Commissioning of One (1) Brand New Magnetic Resonance Imaging Scanner, 1.5 Tesla, Superconducting with RF and Magnetic Shielding and One (1) Brand New CT Scan Machine with Accessories and Air-Conditioning System Including Civil Works (Design and Build) and Electrical Works for the Department of Radiology, Philippine General Hospital
16 December 2020**

Pursuant to Section 22.5.1 of the 2016 Revised Implementing Rules and Regulations of Republic Act No. 9184, the Bids and Awards Committee 1 is issuing this bid bulletin to modify or amend the following items in the Bid Documents in response to / to address the request / clarification of the prospective bidder/s who attended the pre-bid conference held on 11 December 2020:

1. The following should be included Technical Specifications should be modified as:

- *Magnetic Resonance Imaging (MRI) Scanner, 1.5 Tesla Superconducting with RF and Magnetic Shielding*

No.	From	To
B.7	Magnet homogeneity of 0.5 ppm or lower at 40 cm Diameter Spherical Volume	Magnet homogeneity of 0.5 ppm <u>to 1.07 ppm</u> or lower at 40 cm Diameter Spherical Volume
D.2	The RF receiver must use fiber optic technology	The RF receiver must use fiber optic technology <u>or digital technology</u>
F.4	Patient Table Height should be 55 cm at lowest position or lower	Patient Table Height should be 55 cm <u>to 58 cm</u> at lowest position or lower
G.3	Hard drive/Storage: minimum 1 TB HDD	Hard drive/Storage: minimum 1 TB HDD <u>Manufacturer's standard</u>
G.7	Reconstruction performance of at least 20,000 FFT/s at 256 x 256 matrix for full FOV	Reconstruction performance of at least 20,000 FFT/s at 256 x 256 matrix for full FOV <u>or >= 56,000 reconstruction/sec (256 FFT, 100% FOV)</u>
I.1	Precision Air Conditioning Unit (PACU) for the Magnet Room/Scanning room and Appropriate Airconditioning with Dehumidifier for the Technical room (two units).	Precision Air Conditioning Unit (PACU) for the Magnet Room/Scanning <u>room and</u> Appropriate Airconditioning with Dehumidifier for the Technical room (two units).
M.2.a	Must be of the same brand as the MRI Scanner	Must be of the same brand as the MRI Scanner
M.3.a	Must be of the same brand as the MRI Scanner	Must be of the same brand as the MRI Scanner

No.	From	To
M.3.d	Uses low energy FDA-approved biphasic technology with impedance compensation	Uses low energy FDA-approved biphasic technology <u>with impedance</u> compensation
M.5	One (1) Unit Printer Compatible with Existing Printer Server (Third Party)	One (1) Unit <u>Printer Compatible</u> with Existing Printer Server (Third Party)
M.6.b.	Leatherette seat and back rest	Leatherette <u>or moisture resistant</u> seat and back rest
M.6.c	Padded arm rest	Padded arm rest
M.7.c	The mattress must be made of high-density polyester fiber foam with a thickness of 75 mm minimum and covered with waterproof vinyl material.	The mattress must be made of high-density polyester fiber foam with a thickness of <u>50 to</u> 75 mm minimum and covered with waterproof vinyl material.
M.7.f	With two (2) directional casters with brakes	With two (2) <u>at least one (1)</u> directional casters with brakes
M.8.c	With stable base and minimum of 4 legs with lockable caster wheels	With stable base and minimum of <u>four (4)</u> legs with lockable caster wheels

➤ *128-Slice Computed Tomography (CT) Scanner*

No.	From	To
B.3	Slice acquisition per rotation: can acquire ≥ 128 Slices per rotation	<u>Maximum</u> Slice acquisition <u>of at least 64 slices, capable of</u> per rotation: can acquire ≥ 128-slices <u>reconstruction</u> per rotation
B.6	Scatter control: Dynamic Z axis tracking or equivalent technology	Scatter control: Dynamic Z axis tracking or <u>Z axis dose modulation</u> equivalent technology
F.3	Positioning Accuracy: ± 1mm	Positioning Accuracy: <u>±0.25mm to</u> ± 1mm
F.7	Vertical Range (maximum height minus minimum height): ≥ 42 cm	Vertical Range (maximum height minus minimum height): ≥ 42 cm
G.4	Reconstruction Matrix: At least 1024 x1024 pixels	Reconstruction Matrix: At least 1024 x1024 pixels <u>512 x 512 pixels</u>
H	Scanner Console 1. CPU: Manufacturer's Standard 2. Memory: At least 16GB 3. Hard disk capacity: At least 1TB 4. DVD/CD Archive: Capable 5. Monitor: Dual, at least 19-inch 6. Matrix, native: At least 1920 x 1200 pixels 7. Matrix, image display: At least 1920 x 1200 pixels	Scanner Console 1. CPU: Manufacturer's Standard 2. Memory: At least 16GB 3. Hard disk capacity: At least 1TB 4. DVD/CD Archive: Capable 5. Monitor: Dual, at least 19-inch 6. Matrix, native: At least 1920 x 1200 pixels 7. Matrix, image display: At least 1920 x 1200 pixels <u>Manufacturer's standard, latest version</u>

No.	From	To
I.4	Auto voice: at least 12 languages including English	Auto voice: at least 12 11 languages including English
Q.2.a	Must be of the same brand as the CT Scanner	Must be of the same brand as the CT Scanner
Q.6.b	Top railings, push bar, folding desk are constructed of PVC material	Top railings, push bar, folding desk <u>or sliding side panel</u> are constructed of PVC material <u>or stainless steel.</u>

➤ *Computers*

No.	From	To
A	One (1) unit Server including twelve (12) simultaneous clients/userlicenses	One (1) unit Server including <u>at least</u> twelve (12) simultaneous clients/ <u>user licenses for Basic Server Applications and at least six (6) simultaneous clients/user licenses for Advanced Applications</u>
A.4	Graphic Card: 4GB VGA Card	Graphic Card: 4GB VGA Card <u>or alternate video manager (ELDM)</u>
A.5	Hard drive/Storage: minimum 8TB or more for datasets	Hard drive/Storage: minimum 8TB or more for datasets. <u>For suppliers with at least 6TB internal storage, additional 2TB external storage may be added to meet the minimum storage</u>
A.6	Operating System: Windows 2012 Server R2 or higher	Operating System: Windows 2012 Server R2 or higher <u>latest version of Linux / Helios</u>
A.7	RAID configuration: RAID10 with Battery crashed RAD1 Controller	RAID configuration: RAID10 with Battery crashed RAD1 Controller <u>or RAID 10 with equivalent configuration</u>

2. *The following Terms and Conditions should be modified as:*

No.	From	To
C.6	The model of the MRI and CT Scan must have been introduced in 2018 or later	The model <u>latest version</u> of the MRI and CT Scan <u>model</u> must have been introduced in 2018 or later

3. *Please be reminded of the following:*

- **The color of the folder to be used is RED;**
- **Dropping of bids is not later than 9:00AM, 23 December 2020; and**
- **Opening of bids is on 9:30 AM onwards, 23 December 2020.**

This shall form an integral part of the Bid Documents.

For the information and guidance of all concerned.

Dean LEONARDO R. ESTACIO, Jr., PhD
Chairperson, Bids and Awards Committee 1

Received by the Bidder:

Signature over Printed Name

Name of Company

Date