



Republic of the Philippines  
DEPARTMENT OF HEALTH  
**PHILIPPINE CHILDREN'S MEDICAL CENTER**

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**BID BULLETIN NO. BB-2023-051**

Date : July 26, 2023  
TO : ALL PROSPECTIVE BIDDERS  
FROM : BIDS AND AWARDS COMMITTEE  
SUBJECT : AMENDMENT AS STATED

Name of Project : **One (1) Lot Supply, Delivery, Installation, Testing and Commissioning of one (1) unit Computed Tomograph Scanner 128 slices and one (1) unit Magnetic Resonance Imaging Scanner 3-Tesla under Invitation to Bid No. IB-2023-091**  
**Total ABC = Php 425,000,000.00**

This Bid Bulletin No. **BB-2023-051** outlines the amendments/additional requirements in the bidding documents for above projects as follows:

**I. AMENDMENT:**

**A. Under Section III. Bid Data Sheet**

FROM	TO
ITB Clause 20.2	ITB Clause 20.2
13. Duly notarized Certificate from Bidder:	13. Duly notarized Certificate from Bidder:
b. That the brand has been sold in the Philippines within the past ten (10) years (attach list of at least fifteen (15) installations of the same brand that has been installed, commissioned and accepted by Public/Government Hospitals);	b. That the brand has been sold in the Philippines within: > <b>For Computed Tomograph Scanner:</b> the past five (5) years (attach list of at least fifteen (15) installations of the same brand that has been installed, commissioned and accepted by Public/Government Hospitals) > <b>For Magnetic Resonance Imaging Scanner:</b> the past ten (10) years (attach list of at least ten (10) installations of the same brand that has been installed, commissioned and accepted by Public/Government Hospitals)
h. Allow customers 24/7 access using any device for high level equipment transparency, enabling our customers to monitor efficiently via a comprehensive dashboard on equipment status and activities realtime	h. Allow customers 24/7 access using any device for high level equipment transparency, enabling our customers to monitor efficiently via a comprehensive dashboard on equipment status and activities real-time. (Third party monitoring software acceptable)

**B. Under Section VII: Technical Specifications**

FROM	TO
<b>Computed Tomography Scanner (CT Scan) Machine 128 slices</b>	
A. Gantry	A. Gantry
8. Focal spot to isocenter distance must be at least 60 cm	8. Focal spot to isocenter distance must be at least 60 cm
8.1 Focal spot to detector distance must be at least 110 cm	8.1 Focal spot to detector distance must be at least <b>108 cm</b>
11. Weight of the gantry must be not higher than 2,180kg	DELETE



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FROM	TO
<b>Computed Tomography Scanner (CT Scan) Machine 128 slices</b>	
B. X-ray Tube Assembly and Generator	B. X-ray Tube Assembly and Generator
2. Tube voltage: must be minimum of 70kV, maximum of 150kV	2. Tube voltage: must be minimum of 70kV, <i>at least 140kV or higher</i>
D. Detector System	D. Detector System
1. Technology: Photodiode and electronics integrated in one single integrated circuit.	1. Technology: Photodiode and electronics integrated in one single integrated circuit <i>or Gemstone Clarity detector</i>
2. Number of detector channels per row must be at least 1,800	2. Number of detector channels per row must be at least <i>1,600</i>
3. Number of detector elements must be at least 58,880	3. Number of detector elements must be at least <i>53,200</i>
8. Must be capable of reconstructing smallest slice thickness as thin as 0.6 mm	8. Must be capable of reconstructing smallest slice thickness as thin as <i>0.625 mm or thinner</i>
E. Console (Acquisition Computer)	E. Console (Acquisition Computer)
2. Monitor must be at least 24" flat screen	2. <i>Manufacturer's standard</i> but must be at least 24" monitor
3. Must have a high performance computer CPU	3. Must have a high performance computer CPU
3.2 External Video Card: Atleast 8GB	3.2 External Video Card: Atleast 8GB <i>or manufacturer's equivalent latest standard</i>
K. Requirements for the Main Unit per Engineering Clearance	K. Requirements for the Main Unit per Engineering Clearance
1. The unit will be operated at 230 volts, 3 - pin power plug/cable, 60 hertz	1. The unit will be operated at 230 volts <i>or based on the manufacturer's recommendation</i> , 60 Hertz
L. Accessories:	L. Accessories:
2. One (1) unit UPS...	2. One (1) unit UPS...
UPS should be online...	UPS should be online...
Single phase	<i>Three (3) phase</i>
Neutral drift and neutral failure	Neutral drift and neutral failure <i>or based on the supplier or manufacturer recommendation</i>
UPS shall be protected...	UPS shall be protected...
External magnetic field protection	External magnetic field protection <i>or based on the supplier or manufacturer recommendation</i>
11. One (1) unit Anesthesia Machine	11. One (1) unit Anesthesia Machine
11.5 Breathing System:	11.5 Breathing System:
11.5.3 With bypass valve located in breathing system allowing continuous machine operation while charging CO2 absorber	11.5.3 With bypass valve located in breathing system allowing continuous machine operation while <i>"changing"</i> CO2 absorber
11.12 Parameters	11.12 Parameters
11.12.1 Tidal volume required : 50ml – 1500ml (during volume control modes)	11.12.1 Tidal volume required at least: <i>10ml – 1500ml</i> (during volume control modes)
12. One (1) Dehumidifier	12. <i>Two (2) units</i> Dehumidifier
13. Air Conditioning Unit	13. Air Conditioning Unit
13.1 One (1) unit of Split type 3TR Airconditioning Unit procedure room (with five years warranty)	13.1 <i>Two (2) units</i> of Split type 3TR Airconditioning Unit procedure room (with five years warranty)
13.2 Two (2) brand new split type 1.5 HP Air conditioning unit (for control room and equipment room)	13.2 <i>At least One (1) unit</i> brand new split type 1.5 HP Air conditioning unit (for control room)
14. Defibrillator	14. Defibrillator
14.13 IP44 Level – Highest level for Dust Proof and waterproof certification	14.13 <i>IPX4 Level</i> – Highest level for Dust Proof and waterproof certification
<b>Magnetic Resonance Imaging Scanner 3-Tesla</b>	
F. Homogeneity based on highly accurate 24 plane plot (Diameter of Spherical Volume):	F. Homogeneity based on highly accurate 24 plane plot (Diameter of Spherical Volume):
4. 45 cm DSV: 0.83 ppm	4. 45 cm DSV: <i>0.84 ppm</i>
H. The following RF coils must be provided:	H. The following RF coils must be provided:
1. Head & Neck Coil at least 16 channels or higher: Tiltable with 3 different angular positions (0°, 9° and 18°) for patient comfort	1. Head & Neck coil at least 16 channels <i>with tilting capabilities up to 18°</i>
P. Requirements for the Main Unit per Engineering Clearance	P. Requirements for the Main Unit per Engineering Clearance
1. The unit will be operated at 230 volts, 3 - pin power plug/cable, 60 hertz	1. The unit will be operated at 230 volts <i>or based on the manufacturer's recommendation</i> , 60 Hertz

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FROM	TO
<b>Magnetic Resonance Imaging Scanner 3-Tesla</b>	
Q. Accessories:	Q. Accessories:
14. MRI compatible Anesthesia machine	14. MRI compatible Anesthesia machine
	14.10 Accessories for MRI compatible Anesthesia machine
	Include MRI compatible laryngoscope (DIAMOND) with Blades MAC 2.0, 3.0 Miller 1.0
22. One (1) unit Modular type UPS...	22. One (1) unit Modular type UPS...
UPS should be online...	UPS should be online...
Single phase	<i>Three (3) phase</i>

**C. Under Section VIII. Checklist of Technical and Financial Documents**

FROM	TO
6. Duly accomplished and signed Technical Specification using the form as provided for in Section VII	6. Duly accomplished and signed Technical Specification using the form as provided for in Section VII
iii. Brochures/sales literature/s or technical datasheet/s reflecting the specifications:	<b>iii. Brochures/sales literature/s or technical datasheet/s reflecting the specifications:</b>
MRI scanner and main components	<b>1. For Computed Tomograph Scanner 128 slices:</b>
Power transformer(s) for the MRI scanner	a. CT scanner and main components includes Primary Workstation with Advanced Visualization Software
Modular type UPS for the MRI scanner and chiller	b. Power transformer(s) for the CT scanner
TVSS for the MRI scanner	c. Modular type UPS for the CT scanner
Transformer(s) for the Chiller and compressor	d. TVSS for the CT scanner
MRI compatible wheelchair	e. Transformer for the CT unit
MRI compatible stretcher/gurney	f. Dual Head Contrast Injector
MRI Compatible Dual-Barrel Injector	g. Anesthesia Machine
Body scanner (metal detector) able to pass thru stretcher	h. Defibrillator
MRI Compatible fire extinguisher	<b>2. For Magnetic Resonance Imaging Scanner:</b>
Disc Publisher	a. MRI scanner and main components
	b. Power transformer(s) for the MRI scanner
	c. Modular type UPS for the MRI scanner and chiller
	d. TVSS for the MRI scanner
	e. Transformer(s) for the Chiller and compressor
	f. MRI compatible wheelchair
	g. MRI compatible stretcher/gurney
	h. MRI compatible Dual-Barrel Injector
	i. Body scanner (metal detector) able to pass thru stretcher
	j. MRI compatible fire extinguisher
	k. MRI compatible infusion pump
	l. MRI compatible patient monitor
	m. MRI anesthesia machine
	<b>iv. Signed Conforme on the TERMS OF REFERENCE (TOR)</b>

**D. Under Terms of Reference (TOR)**

FROM	TO
I. CT SCAN	I. CT SCAN
A. Renovation Works	A. Renovation Works
1. CT SCAN Area	1. CT SCAN Area
e. Supply and Installation of Double Swing Leaded Door	e. Supply and Installation of Double Swing Leaded Door
f. 2mm Lead sheet	➤ 2mm Lead sheet



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**II. ADDITIONAL:**

**A. Under Section III. Bid Data Sheet**

**➤ ITB Clause 20.2**

**22.** For major third party items, Notarized Certificate of Authorization to sell must be provided by the bidder (Assurance that they will deliver the same items stated in the specifications and they will cover the after sales)

**A. CT Scan third party items**

1. Dual Head Contrast Injector
2. Anesthesia Machine

**B. MRI third party items:**

1. MRI compatible Anesthesia Machine
2. MRI compatible Dual Barrel Injector
3. MRI compatible Patient Monitor
4. MRI compatible Infusion Pump
5. Disc Publisher
6. Metal Detector

**For Magnetic Resonance Imaging (MRI) Scanner only**

**23.** Duly notarized Certificate from Principal Manufacturer/ Distributor That the brand of the MRI scanner has been in the Philippine market for at least ten (10) years and at least ten (10) installations of the same model in Southeast Asia (For Magnetic Resonance Imaging Scanner only)

**24.** Valid and current certificate of Compliance and/or Test Report(s) on the following Standards for the brand and model of the subject equipment being offered. The certificates and/or Test Reports must be issued by independent Certifying agencies:

- i. IEC 60601-2-33: Medical Electrical Equipment - Part 2-22: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis.
- ii. IEC 62040-1: Uninterruptible power system (UPS) - Part 1: Safety requirements
- iii. UL 1449: Surge Protection devices for TVSS

**B. Under Section VII. Technical Specifications**

**➤ One (1) unit Magnetic Resonance Imaging (MRI) Scanner Three (3) Tesla**

**A. General Requirement:**

6. Performance management tool for monitoring Chiller and Helium Level status should be accessible

For information and guidance of all concerned.

SIGNED

**FRANCIS S. DELA CUESTA, RN, MAN**  
**Chairperson, Bids and Awards Committee**