

### **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



# BID BULLETIN NO. 2023-**64**01 September 2023

for the Supply, Delivery and Testing of One (1) Lot of One (1)
Advanced 3D/4D Doppler Ultrasound Machine, One (1) High End
3D/4D Doppler Ultrasound Machine, and One (1) Entry Level
Doppler Ultrasound Machine for the Department of Obstetrics and
Gynecology, Division of Ultrasound
PUR23-07-0641

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 and address the request / clarification of the prospective bidder/s who attended the pre-bid conference held on 18 August 2023:

## 1. The Title of the Project should be modified as:

From	То
Supply, Delivery and Testing of One (1) Lot of	Supply, Delivery and Testing of One (1) Lot of
One (1) Advanced 3D/4D Doppler Ultrasound	One (1) Advanced 3D/4D Doppler Ultrasound
Machine, One (1) High End 3D/4D Doppler	Machine, One (1) High End 3D/4D Doppler
Ultrasound Machine, and One (1) Entry Level	Ultrasound Machine, and One (1) Entry Level
Doppler Ultrasound Machine for the Department	Doppler Ultrasound Machine for the Department
of Obstetrics and Gynecology, Division of	of Obstetrics and Gynecology, Division of
Ultrasound in Obstetrics and Gynecology and	Ultrasound <del>in Obstetrics and Gynecology and</del>
Division of Maternal and Fetal Medicine	Division of Maternal and Fetal Medicine

## 2. The following should be modified Section VII (Technical Specifications) as:

Item No.	From	То
I.A.5.a	Equipped with at least four (4) active	Equipped with at least four (4) active
	probe ports, plus 1 parking port	probe ports <del>, plus 1 parking port</del>
I.A.5.b	With at least six (6) built-in USB ports,	With at least <i>five (5)</i> built-in USB ports,
	HDMI, DICOM	HDMI, DICOM
I.A.6	Lighting: Backlit alphanumeric	Lighting: Backlit alphanumeric
	keyboard and customizable trackball	keyboard <del>and customizable trackball</del>
	back light color	<del>back light color</del>
I.A.8.b	With one (1) colored printer with on	With one (1) colored printer with on
	board storage of thermal paper	<del>board storage of thermal paper</del>
I.A.11	With integrated gel warmer	With integrated or external gel warmer
I.B.1.e	Must have horizontal rotate angle +/-	Must have horizontal rotate angle +/-
	90 degrees and tilt angle minimum	90 degrees and tilt angle minimum
	+30°/-75°	+30°/-75° <i>or +20°/-90</i> °

Item No.	From	То
I.C.1.a	The Operating System (OS) must be	The Operating System (OS) must be
	compatible with Microsoft (MS)	compatible with Microsoft (MS) <u>or</u> <u>Linux OS</u>
I.C.1.d.iv	B Flow or similar features (B+B/CFM, B+B/S-FlowHD, B/CFM+PW, B/SFlowHD+PW, B+C, B+M, B+3D, B+4D, B/S-FlowHD)	B Flow or similar features (B+B/CFM, B+B/S-FlowHD, B/CFM+PW, B/SFlowHD+PW or B/HD-Flow+PW, B+C, B+M, B+3D, B+4D, B/S-FlowHD)
I.C.1.d.v	External Field of View – Allows you to select a wider field of view to see more anatomy with one touch	External Field of View – Allows you to select a wider field of view to see more anatomy with one touch <u>or similar</u> <u>features</u>
I.C.1.d.xi	Volume acquisition (up to at least 90 MB vol scan size and up to at least 400 vol/512 MB for 4D volume cine; for 3D static and 4D RT), STIC and post processing capability	Volume acquisition (up to at least 90 MB vol scan size and up to at least 400 vol/512 MB for 4D volume cine; for 3D static and 4D RT), for 3D/4D, STIC and post processing capability or similar features
I.C.1.d.xii	Curved Anatomical M Mode	Curved Anatomical M Mode or similar features
I.C.1.d.xiii	Coded Contrast Imaging	Coded Contrast Imaging <u>or similar</u> features
I.C.1.d.xiv	Dual live mode/ Biplane mode	With or without Dual live mode/ Biplane mode or similar features
I.C.1.d.xv	Quad mode	Quad mode <u>or similar features</u>
I.C.1.d.xvi	Inversion mode	Inversion mode or similar features
I.C.1.d.xvii	Render Modes:  Volume rendering method generating realistic images of the fetus from sonographic data, reveal a unique clinical perspective of fetal anatomy that brings unprecedented anatomical realism.  Glass Body Mode  Tomographic Ultrasound Imaging  Efficiency in volume rendering with automated placement of the render line for optimized surface rendering  Volume Contrast Imaging  Compound Resolution Imaging with	<ul> <li>Render Modes:         <ul> <li>Volume rendering method generating realistic images of the fetus from sonographic data, reveal a unique clinical perspective of fetal anatomy that brings unprecedented anatomical realism or similar features</li> <li>Glass Body Mode or similar features</li> <li>Tomographic Ultrasound Imaging or similar features</li> </ul> </li> <li>Efficiency in volume rendering with automated placement of the render line for optimized surface rendering or similar features</li> <li>Volume Contrast Imaging or similar features</li> </ul>
I.C.2.a.v	Compound Resolution Imaging with enhanced tissue and border differentiation with an innovative, real-time spatial compounding acquisition and processing technique	Compound Resolution Imaging with enhanced tissue and border differentiation with an innovative, real-time spatial compounding acquisition and processing technique or similar features
I.C.2.e	Trapezoid imaging	Trapezoid imaging or similar features
I.C.2.f	Continuous dynamic receive focus / aperture	Continuous dynamic receive focus/aperture or similar features
I.C.2.g	Quick scan (in B Mode, PW Mode)	Quick scan (in B Mode, PW Mode) <u>or</u> <u>similar features</u>
I.C.2.h	Panoramic view	Panoramic view <u>or similar features</u>
I.C.2.n	Micro flow imaging (2D)-with super sensitivity and resolution	Micro flow imaging (2D)-with super sensitivity and resolution <i>or similar features</i>

Item No.	From	То
I.C.2.0	Micro flow imaging (3D)- with super	Micro flow imaging (3D)- with super
	sensitivity and resolution	sensitivity and resolution or similar features
I.C.6.i	Digital and auto calculation and quick measurement of fetal biometry (BPD,	Digital and auto calculation and quick measurement of fetal biometry (BPD,
I.C.6.ii	HC, AL, FL, HL) Obstetrics Calculators:	HC, AL, FL, HL) <u>or similar features</u> Obstetrics Calculators:
1.0.0.11	• Early OB	<ul> <li>Early OB or similar features</li> </ul>
	Sonologic nuchal translucency	<ul> <li>Sonologic nuchal translucency <u>or</u></li> </ul>
	• 2 <sup>nd</sup> and 3 <sup>rd</sup> trimester	similar features
	Advanced OB, Multifetal	• 2 <sup>nd</sup> and 3 <sup>rd</sup> trimester <i>or similar</i>
	navancea ob, materical	features
		Advanced OB, Multifetal or similar features
I.C.6.iii	Fetal cardiovascular application	Fetal cardiovascular application
	Fetal echo application	Fetal echo application
	Advanced fetal echo	<ul> <li>Advanced fetal echo</li> </ul>
I.C.7.a.i	Elastography: mapping and analysis	Elastography: mapping and analysis or
•		<u>similar features</u>
I.C.7.b	Vascular application	Vascular application <u>or similar</u>
		<u>features</u>
I.C.7.c	Pelvic Floor Application	Pelvic Floor Application <u>or similar</u>
		<u>features</u>
I.C.7.d	Advance technology live 3D/4D multi	Advance technology live 3D/4D multi
	slice view, oblique view, volume CT,	slice view, oblique view, volume CT,
	volume slice view, inversion 3D, volume	volume slice view, inversion 3D, volume
	contrast enhancement) 3D gyne	contrast enhancement) 3D gyne <u>or</u>
T.C.= 0	Falliala asset Asstance ti alle	similar features
I.C.7.e	Follicle count – Automatically calculates the number, dimensions, and	Follicle count – Automatically calculates the number, dimensions, and
	volume of hypoechoic structures in a	volume of hypoechoic structures in a
	volume sweep to help monitor patient	volume sweep to help monitor patient
	follicles faster	follicles faster <i>or similar features</i>
I.C.7.f	Endometrial receptivity analysis	Endometrial receptivity analysis or
•		<u>similar features</u>
I.D.1.a	One (1) unit Curvilinear probe: 3 to 9	One (1) unit Curvilinear probe: 3 to 9
	MHz frequency or wider range with at	MHz frequency or wider range with at
	least 94 degrees external field of view	least 94 degrees external field of view.
		Curvilinear probes with 1.2 to 6 MHz
		frequency with at least 72 degrees
		external field of view are also
I.D.2.a	One (1) unit Electronic Curvilinear	one (1) unit Electronic Curvilinear
1.D.Z.a	volume probe: 2 to 8 MHz frequency or	volume probe: 2 to 8 MHz frequency or
	wider range with at least 90 degrees	wider range with at least 90 degrees
	external field of view	external field of view
I.D.2.c	One (1) Endocavity Bi plane linear-	One (1) Endocavity Bi plane linear-
	convex Array transducers: 3.5- 9.5 MHz	convex Array transducers: 3.5- 9.5 MHz
	frequency	frequency. <i>For units that do not have</i>
		a bi-plane endocavity probe, this can
		be replaced with an endocavity probe
_		with 4 to 9 MHz frequency probe.
I.G.2	HIPAA Compliant	HIPAA Compliant <u>or similar data</u>
		privacy protection features
II.A.3	Storage: Integrated hard disk with at	Storage: Integrated hard disk or SSD
TT A = 3	least 1TB capacity	with at least 1TB capacity
II.A.5.b	With at least six (6) built-in USB ports,	With at least <u>five (5)</u> built-in USB ports,
	HDMI, DICOM	HDMI, DICOM

Item No.	From	То
II.A.6	Lighting: Backlit alphanumeric	Lighting: Backlit alphanumeric
	keyboard and customizable trackball	keyboard <del>and customizable trackball</del>
II A O b	back light color	back light color
II.A.8.b	With one (1) colored printer with on board storage of thermal paper	With one (1) colored printer with on board storage of thermal paper
II.A.11	With integrated gel warmer	With integrated <i>or external</i> gel warmer
II.B.1.e	Must have horizontal rotate angle +/-	Must have horizontal rotate angle +/-
	90 degrees and tilt angle minimum	90 degrees and tilt angle minimum
	+30°/-75°	+30°/-75°. <i>Rotate angle range of 240</i>
		degrees and tilt angle range of 105
II.B.2.b	At least 12.1 in the Translation with	degrees is also acceptable.
11.5.2.0	At least 12.1 inches Touch screen, with user-configurable layout;	<b>10.1</b> to 12.1 inches Touch screen, with user-configurable layout;
II.C.1.a	The Operating System (OS) must be	The Operating System (OS) must be
	compatible with Microsoft (MS)	compatible with Microsoft (MS) <u>or</u>
		<u>Linux OS</u>
II.C.1.B.i	Boot-up from shutdown: < 85 sec	Boot-up from shutdown: <b>85-120</b>
H.C. A.	D. Flores are size that the control of the control	seconds or faster
II.C.1.d.iv	B Flow or similar features (B+B/CFM, B+B/S-FlowHD, B/CFM+PW,	B Flow or similar features (B+B/CFM, B+B/S-FlowHD, B/CFM+PW or B/HD-
	B/SFlowHD+PW, B+C, B+M, B+3D,	Flow+PW, B/SFlowHD+PW, B+C, B+M,
	B+4D, B/S-FlowHD)	B+3D, B+4D, B/S-FlowHD)
II.C.1.d.xii	Curved Anatomical M Mode	Curved Anatomical M Mode <u>or similar</u>
		<u>features</u>
II.C.1.d.xiii	Coded Contrast Imaging	Coded Contrast Imaging <u>or similar</u>
II.C.1.d.xiv	Dual live made / Binlane made	features  With or without Dual live mode/
11.C.1.u.xtv	Dual live mode/ Biplane mode	Biplane mode <i>or similar features</i>
II.C.1.d.xvii	Render Modes:	Render Modes:
	• Volume rendering method	• Volume rendering method
	generating realistic images of the	generating realistic images of the
	fetus from sonographic data, reveal	fetus from sonographic data, reveal
	a unique clinical perspective of fetal	a unique clinical perspective of fetal
	anatomy that brings unprecedented anatomical realism.	anatomy that brings unprecedented anatomical realism or similar
	Glass Body Mode	features
	Tomographic Ultrasound Imaging	• Glass Body Mode <u>or similar</u>
	Efficiency in volume rendering with	<u>features</u>
	automated placement of the render	Tomographic Ultrasound Imaging
	line for optimized surface rendering	or similar features
	Volume Contrast Imaging	• Efficiency in volume rendering with automated placement of the render
		line for optimized surface rendering
		<u>or similar features</u>
		Volume Contrast Imaging or similar
TT G .		<u>features</u>
II.C.2.a.i	With automatic optimization	With automatic optimization or similar
II.C.2.a.ii	Speckle reduction imaging or similar	<u>features</u> Speckle reduction imaging or similar
11.0.2.4.11	features	features <i>or similar features</i>
II.C.2.a.iii	Fine angle steer or similar features	Fine angle steer or similar features
II.C.2.a.iv	Tissue harmonic imaging or similar	Tissue harmonic imaging or similar
	features	features <u>or similar features</u>
II.C.2.a.v	Compound Resolution Imaging with	Compound Resolution Imaging with
	enhanced tissue and border	enhanced tissue and border
	differentiation with an innovative, real- time spatial compounding acquisition	differentiation with an innovative, real- time spatial compounding acquisition
	and processing technique	anne spatiai compounting acquisition
L	processing teeminque	1

Item No.	From	То
		and processing technique or similar
		<u>features</u>
II.C.2.e	Trapezoid imaging	Trapezoid imaging <u>or similar features</u>
II.C.2.f	Continuous dynamic receive	Continuous dynamic receive
	focus/aperture	focus/aperture or similar features
II.C.2.g	Quick scan (in B Mode, PW Mode)	Quick scan (in B Mode, PW Mode) <u>or</u>
TT C - 1		<u>similar features</u>
II.C.2.h II.C.6.a	Panoramic view	Panoramic view <u>or similar features</u>
11.C.6.a	Digital and auto calculation and quick	Digital and auto calculation and quick
	measurement of fetal biometry (BPD, HC, AL, FL, HL)	measurement of fetal biometry (BPD, HC, AL, FL, HL) or similar features
II.C.6.b.i	Early OB	Early OB or similar features
II.C.6.b.ii	Sonologic nuchal translucency	Sonologic nuchal translucency <u>or</u>
11.0.0.5	bonologic nachar transfacency	similar features
II.C.6.b.iii	2nd and 3rd trimester	2nd and 3rd trimester <i>or similar</i>
		features
II.C.6.b.iv	Advanced OB, Multifetal	Advanced OB, Multifetal <i>or similar</i>
	,	<u>features</u>
II.C.6.c	Fetal cardiovascular application	Fetal cardiovascular application <u>or</u>
		<u>similar features</u>
II.C.6.c.ii	Advanced fetal echo	Advanced fetal echo
II.C.7.a.i	Elastography: mapping and analysis	Elastography: mapping and analysis <u>or</u>
		<u>similar features</u>
II.C.7.b	Vascular application	Vascular application <u>or similar</u>
TT 0	21.1.2	<u>features</u>
II.C.7.c	Pelvic Floor Application	Pelvic Floor Application or similar
II C = 1	Advance to do along long line 2D /AD model	features
II.C.7.d	Advance technology live 3D/4D multi slice view, oblique view, volume CT,	Advance technology live 3D/4D multi slice view, oblique view, volume CT,
	volume slice view, inversion 3D, volume	volume slice view, inversion 3D, volume
	contrast enhancement) 3D gyne	contrast enhancement) 3D gyne <u>or</u>
	contrast chilaneement) 3D gyne	similar features
II.C.7.e	Follicle count – Automatically	Follicle count – Automatically
,	calculates the number, dimensions, and	calculates the number, dimensions, and
	volume of hypoechoic structures in a	volume of hypoechoic structures in a
	volume sweep to help monitor patient	volume sweep to help monitor patient
	follicles faster	follicles faster <u>or similar features</u>
II.D.1.a	One (1) unit Curvilinear probe: 3 to 9	One (1) unit Curvilinear probe: 3 to 9
	MHz frequency or wider range with at	MHz frequency or wider range with at
	least 94 degrees external field of view	least 94 degrees external field of view.
		Curvilinear probes with 1.2 to 6 MHz
		frequency with at least 72 degrees
		external field of view are also acceptable.
II.D.2.a	One (1) unit Electronic Curvilinear	One (1) unit <del>Electronic</del> Curvilinear
11.D.2.a	volume probe: 2 to 8 MHz frequency or	volume probe: 2 to 8 MHz frequency or
	wider range with at least 90 degrees	wider range with at least 90 degrees
	external field of view	external field of view
II.D.2.b	One (1) Endocavitry volume probe: 4 to	One (1) Endocavitry volume probe: 4 to
	9 MHz frequency or wider range with at	9 MHz frequency or wider range with at
	least 185 degrees external field of view	least <b>184 degrees</b> external field of view
II.G.2	HIPAA Compliant	HIPAA Compliant <u>or similar data</u>
		privacy protection features
III.A.3	Storage: Integrated hard disk with at	Storage: Integrated hard disk or SSD
	least 1TB capacity	with at least 1TB capacity
III.A.5.b	With at least six (6) built-in USB ports,	With at least <i>five (5)</i> built-in USB ports,
	HDMI, DICOM	HDMI, DICOM

Item No.	From	То
III.A.6.a	Lighting: Backlit alphanumeric	Lighting: Backlit alphanumeric
	keyboard and customizable trackball back light color	keyboard <del>and customizable trackball</del> <del>back light color</del>
III.A.8.b	It must have one (1) colored printer	It must have one (1) colored printer
	with on board storage of thermal paper	with on board storage of thermal paper
III.A.10	UPS (1) UPS that are	UPS
	a. It must have one (1) UPS that can	a. It must have one (1) UPS that can <b>power the unit for at least 30</b>
		minutes (third party), or longer
III.A.11		With integrated or external gel
		<u>warmer</u>
III.B.1.a	Must have a high-resolution LED screen	Must have a high-resolution LED screen
	of not less than twenty-three (23)	of not less than <i>twenty-one (21)</i>
	inches.	<u>inches</u> .
III.B.1.e	Must have horizontal rotate angle +/-	Must have horizontal rotate angle +/-
	90 degrees and tilt angle minimum	90 degrees and tilt angle minimum
III.B.2.b	+30°/-75° At least 12.1 inches Touch screen, with	+30°/-75° <u>or +20°/-85°</u> 10.1 to 12.1 inches Touch screen, with
111.0.2.0	user-configurable layout	user-configurable layout
III.C.1.a	The Operating System (OS) must be	The Operating System (OS) must be
	compatible with Microsoft (MS)	compatible with Microsoft (MS) <u>or</u>
		<u>Linux OS</u>
III.C.1.b. <i>i</i>	Boot-up from shutdown: < 85 sec	Boot-up from shutdown: <u>85 to 120</u>
TTT 0 1 !!!		seconds or faster
III.C.1.d.iii	Color Flow Mode (CFM) (2D, 3D and	Color Flow Mode (CFM) <del>(2D, 3D and</del>
III.C.1.d.iv	B Flow or similar features (B+B/CFM,	B Flow or similar features (B+B/CFM,
111.C.1.u.to	B+B/S-FlowHD, B/CFM+PW,	B+B/S-FlowHD, B/CFM+PW,
	B/SFlowHD+PW, B+C, B+M, B+3D,	B/SFlowHD+PW, B+C, B+M, B+3D,
	B+4D, B/S-FlowHD)	B+4D, B/S FlowHD)
III.C.1.d.v	External Field of View – Allows you to	External Field of View – Allows you to
	select a wider field of view to see more	select a wider field of view to see more
	anatomy with one touch	anatomy with one touch or similar
III.C.1.d.vi	Power Doppler Imaging (PDI)	<u>features</u> Power Doppler Imaging (PDI) <u>or</u>
111.0.1.0.0		similar features
III.C.1.d.vii	PW Doppler	PW Doppler <u>or similar features</u> r
III.C.1.d.viii	CW Doppler	<del>CW Doppler</del>
III.C.1.d.ix	Tissue Doppler Mode	Tissue Doppler Mode
III.C.1.d.x	Volume visualization modes (3D/4D,	<del>Volume visualization modes (3D/4D,</del>
	Volume contrast imaging, Automated	Volume contrast imaging, Automated
	analysis of 3D images, Automatic volume calculation, Ultrasound	analysis of 3D images, Automatic volume calculation, Ultrasound
	computed tomography, 4D biopsy)	computed tomography, 4D biopsy)
III.C.1.d.xi	Volume acquisition (up to at least 90	Volume acquisition (up to at least 90
	MB vol scan size and up to at least 400	MB vol scan size and up to at least 400
	vol/512 MB for 4D volume cine; for 3D	vol/512 MB for 4D volume cine; for 3D
	static and 4D RT), STIC and post	static and 4D RT), STIC and post
III C 4 3 -2"	processing capability	processing capability
III.C.1.d.xii	Curved Anatomical M Mode	Curved Anatomical M Mode or similar
III.C.1.d.xiii	Coded Contrast Imaging	<u>features</u> Coded Contrast Imaging
III.C.1.d.xiv	Dual live mode/ Biplane mode	With or without Dual live mode/
		Biplane mode <i>or similar features</i>
III.C.1.d.xv	Quad mode	Quad mode <u>or similar features</u>
III.C.1.d.xvi	Inversion mode	Inversion mode or similar features
III.C.1.d.xvii	Render Modes:	Render Modes:

Item No.	From	То
	• Volume rendering method	• Volume rendering method
	generating realistic images of the	generating realistic images of the
	fetus from sonographic data, reveal	fetus from sonographic data, reveal
	a unique clinical perspective of fetal	a unique clinical perspective of fetal
	anatomy that brings unprecedented	anatomy that brings unprecedented
	anatomical realism	anatomical realism
	Glass Body Mode	- Glass Body Mode
	Tomographic Ultrasound Imaging	- Tomographic Ultrasound Imaging
	Efficiency in volume rendering with	• Efficiency in volume rendering with
	automated placement of the render	automated placement of the render
	line for optimized surface rendering	line for optimized surface rendering
	Volume Contrast Imaging	Volume Contrast Imaging
III.C.2.a.i	With automatic optimization	With automatic optimization <i>or similar</i>
111.0.2.a.t	with automatic optimization	features
III.C.2.a.v	Compound Resolution Imaging with	Compound Resolution Imaging with
111.0.2.4.0	enhanced tissue and border	enhanced tissue and border
	differentiation with an innovative, real-	differentiation with an innovative, real-
	time spatial compounding acquisition	time spatial compounding acquisition
	and processing technique	and processing technique <i>or similar</i>
	and processing technique	features
III.C.2.c	Digital beam forming	Digital beam forming or similar
111.0.2.0	Digital beam for ming	features
III.C.2.d	Spatial compound imaging /	Spatial compound imaging /
111.0.2.4	spatiotemporal image calculation	spatiotemporal image calculation
	correlation	correlation
III.C.2.e	Trapezoid imaging	Trapezoid imaging
III.C.2.f	Continuous dynamic receive focus /	Continuous dynamic receive focus /
111.0.2.1	aperture	aperture <u>or similar features</u>
III.C.2.g	Quick scan (in B Mode, PW Mode)	Quick scan (in B Mode, PW Mode) or
111.0.2.8	Quick scan (in b Mode, I w Mode)	similar features
III.C.2.h	Panoramic view	Panoramic view or similar features
III.C.2.i	Multi-frequency/Wideband technology	Multi-frequency/Wideband technology
111.0.2.1	Width-frequency/ Wideband teemfology	or similar features
III.C.6.a	Digital and auto calculation and quick	Digital and auto calculation and quick
111.0.0.a	measurement of fetal biometry (BPD,	measurement of fetal biometry (BPD,
	HC, AL, FL, HL)	HC, AL, FL, HL) or similar features
III.C.6.b.i		
III.C.6.b.ii	Early OB Sonologic nuchal translucency	Early OB <u>or similar features</u> Sonologic nuchal translucency <u>or</u>
111.0.0.0.11	Somologic nuchai transfucency	
III.C.6.b.iii	2nd and 3rd trimester	similar features 2nd and 3rd trimester or similar
111.0.0.0.111	Ziid alid Si'd ti illiestei	
III.C.6.b.iv	Advanced OP Multi fetal	<u>features</u> Advanced OB, Multi-fetal <u>or similar</u>
111.0.0.0.0	Advanced OB, Multi-fetal	features
III.D.1.a	One (1) unit Curvilinean probes 2 to 0	One (1) unit Curvilinear probe: 3 to 9
111.D.1.a	One (1) unit Curvilinear probe: 3 to 9	
	MHz frequency or wider range with at	MHz frequency or wider range with at
	least 94 degrees external field of view	least 94 degrees external field of view
		or 1.2-6.0 MHz frequency and at least
III C a	LUDAA Compliant	85 degrees external field of view
III.G.2	HIPAA Compliant	HIPAA Compliant or similar data
	<u> </u>	privacy protection features

3. The following Terms and Conditions should be modified Section VII (Technical Specifications) as:

Item No.	From	То
B.4.i	Product orientation and training for	Product orientation and training for
	one (1) day of the Division of	one (1) day of the Division of

Item No.	From	То
	ultrasound and the Division of Fetal and	ultrasound <del>and the Division of Fetal and</del>
	Maternal Medicine consultants.	Maternal Medicine consultants.

# 4. Clarification

Query	Response / Remarks
I.A.4. With built-in battery/Standby battery	Standby battery is standard in advanced systems.
The prospective bidder is requesting to consider: Optional built-in battery/standby battery	systems.
I.D.1.b. One (1) unit Endocavitary probe (transvaginal): 4 to 9 MHz frequency or wider range with at least 185 degrees external field of view	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider: Endocavitary: 3.0 – 11.0 MHz with ExFOV of 210 degrees	
I.D.1.c. One (1) unit 2D linear array probe: 4 to 10 MHz and at least 38 mm length	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider: Linear probe: 3.8 – 15.4 MHz with FOV of 5.08cm	
I.D.2.b. One (1) Endocavitry volume probe: 4 to 9 MHz frequency or wider range with at least 185 degrees external field of view	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider: Endocavitry volume: 2.0 – 9.0 MHz with ExFOV of 193 degrees	
II.D.1.b One (1) unit Endocavitary probe (transvaginal): 4 to 9 MHz frequency or wider range with at least 185 degrees external field of view	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider:  One (1) unit Endocavitary: 3.0 to 11 MHz with  ExFOV 210 degrees	
II.D.1.c One (1) unit 2D linear array probe: 4 to 10 MHz and at least 38 mm length	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider: One (1) unit Endocavitary: 3.0 to 11 MHz with ExFOV 210 degrees	
II.D.2.b. One (1) Endocavitry volume probe: 4 to 9 MHz frequency or wider range with at least 185 degrees external field of view	There is no need to modify the specification because the offered probe is already compliant
The prospective bidder is requesting to consider: Endocavitry volume: 2.0 – 9.0 MHz with ExFOV of 193 degrees	
II.D.1.b One (1) unit Endocavitary probe (transvaginal): 4 to 9 MHz frequency or wider range with at least 185 degrees external field of view	There is no need to modify the specification because the offered probe is already compliant

Query	Response / Remarks
The prospective bidder is requesting to consider: One (1) unit Endocavitary: 3.0 to 11 MHz with ExFOV 210 degrees	
The prospective bidder is requesting the removal of advanced and high-end applications specifically items IC7e, IC7f, IIC7e, IIC7f, ICdx and IICdx	Request denied. It will compromise the capability of these ultrasound machine.

This shall form an integral part of the Bid Documents.

For the information and guidance of all concerned.

~Original Signed~ **Dean CHARLOTTE M. CHIONG, MD, PhD** Chairperson, Bids and Awards Committee 1

Received by the Bidder:
Signature over Printed Name
Name of Company
Date