



SUPPLEMENTAL/BID BULLETIN

Project Reference No. IB No. 23-45
Name of the Project Procurement of Various Medical Equipment for Anesthesiology Department
Location of the Project WVSU Medical Center

ADDENDUM NO. 01 - 2023

August 1, 2023

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents. Attached are the Revised Section VII. Technical Specifications (pages 18-23). These shall form an integral part of the Bidding Documents.

A. Invitation to Bid

Table with 2 columns: As indicated in the Bidding Documents, Corrections/Modifications/Amendments (in bold & italicized words). Rows 2, 9, 10, 11, 12, 13.

B. Bid Data Sheet

Table with 2 columns: As indicated in the Bidding Documents, Corrections/Modifications/Amendments (in bold & italicized words). Row 5.3.



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C. Section VII. Technical Specifications

Item No.	Item Description (As indicated in the Bidding Documents)	Corrections/Modifications/Amendments (in bold & italicized words)
1	Delivery and Installation of Brand New Portable Ultrasound Machine	Delivery and Installation of Brand New Portable Ultrasound Machine
	General Specifications of the Ultrasound:	
	1. The unit must be portable, compact type that would allow for use on table top or adjustable cart and with a built in teaching assistance module application for learning and training of the end-user and its trainees	
	2. The weight must be not more that 6.5 kilogram excluding the probe	
	3. Must have a built-in batteries that can provide a scan time of at least two (2) hours without charging and with a standby mode of at least 70 hours	
	4. The screen must be a seamless colored LCD type, at least 15.5 inches and a touch screen for easy manipulation of the preset programs	
	5. The operating system must be microsoft windows 10 or higher, Intel generation 6th or higher and i7 quad core or higher	
	6. The screen pixel resolution must be at least 1918 x 1078	
	7. Must have at least 3 active probes port	
	8. The integrated power supply must be 50-60 hertz; 240 volts or must provide complete incidental accessories from the main source to the unit such as step up or step down transformer in reference to the existing voltage of the hospital	
	9. The bidder must provide a dedicated UPS of at least 2 kVA or compatible to the machine offered	
	Probes inclusion:	
	1 unit convex probe with a frequency of at least 1.4 - 5.7 megahertz	
	1 unit linear array with button probe with a frequency of at least 3.4 - 12.6 megahertz	
	1 unit adult phase array with a frequency of at least 1.6 - 4.5 megahertz	
	Software Applications:	
	Must include a license application software such as B mode, M mode, color flow, power doppler, pulse wave with high PRF, continuous wave, anatomical M mode, tissue doppler	
	Basic applications such as abdominal, arterial, cardiac TEE, thoracic, urological, vascular, transcranial, rectal, vaginal, gyne and obstetrical, pediatrics, small parts, derma and rheumatology (license)	
	With advance application software (license)	
	1. For calculation of velocity time integral, stroke volume, cardiac output and flux	
	2. Dynamic panoramic view of the entire lung for assessment of pattern images, cumulative lung core summing up mode and lung zoning parameters	
	3. Capable of measuring IVC collapsibility in respiratory cycle real time	
	4. Real time AI tools for nerve landmarks and targeted nerve block	
	5. Capable of single view or side to side presentation of images	
	6. Capable of scanning different zones of the eFAST and FAST	
	7. Capable of needle recognition using color or doppler in anatomy motion, catheter size base on vessel diameter measurement	
	8. Capable of free drawing, simplification of documentations, voice control for scanner and shared screen training	8. Capable of free drawing, simplification of documentations, voice control for scanner (optional) and shared screen training
	9. The system must have a cleaning mode capabilities for infection	
	Image Archive and Connectivity:	
	1. Must have a built in storage of Dicom images of 128GB, single integrated solid state drive or higher type	



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	2. Must have a license HIS work list for patient identification, report management, query, retrieval, and capable of connecting to the existing PACS of the hospital	
	3. The format images must be Dicom compliant and can be formatted to JPEG, MPEG, AVI or H264 and higher clinical type images	
	4. Can store live scan configurable to images and can be transferred to USB or any removable hard drive for back up purposes (support export format using USB, HDMI and LAN port)	
	5. Capable of image previewing cine playback, post processing and printing	
	6. Must include in the package is the 1 unit of image printer and at least 20 rolls of ultrasound paper compatible with the offered machine	
	Cart Inclusion:	
	1. Must have a monitor holder capable of horizontal movement of at least 230 degrees	
	2. The backward tilt range of 35-40 degrees and forward movement range of 8 - 12 degrees	
	3. Must have a caster and a swivel type with brake and lock for safety of the patient and machine	
	4. The height of the cart must be within the range of 45 inches to 64 inches	
	5. The width of the cart must be within the range of 18 inches to 21 inches	
	6. The depth of the cart must be within the range of 18 inches to 20 inches	
	7. The cart must have a built in probe holder, gel cup and warmer	
	8. Must have a removable storage cabinet or bin for supplies (gel and ultrasound paper for printer)	
	Other Terms and Conditions:	Other Terms and Conditions: (Please provide certificate)
	1. Certificate that the system is all in one system design - workstation and integrated system (attached brochure or literature as proof)	1. Certificate that the system is all in one system design - workstation and integrated system (attached brochure or literature as proof)
	2. Certificate of guarantee of three (3) years warranty on the parts and services after the warranty period	2. Certificate of guarantee of three (3) years warranty on the parts and services after the warranty period
	3. Certificate of guarantee for another 1 year of semi-annual planned maintenance (service only) after warranty period	3. Certificate of guarantee for another 1 year of semi-annual planned maintenance (service only) after warranty period
	4. Certificate of guarantee that there should be a minimum of three (3) engineers currently employed by the principal or bidders (attach employment contract as proof)	4. Certificate of guarantee that there should be a minimum of three (3) engineers currently employed by the principal or bidders (attach employment contract as proof)
	5. Certificate of guarantee of 95% uptime for the equipment offered	5. Certificate of guarantee of 95% uptime for the equipment offered
	6. Certificate from the principal/ manufacturer to honor the terms and conditions stated in the contract even in the event that a change of dealership will occur during the duration of the said contract	6. Certificate from the principal/ manufacturer to honor the terms and conditions stated in the contract even in the event that a change of dealership will occur during the duration of the said contract
	7. Certificate of guarantee that the equipment is brand new, unused and not a discontinued model or was not in the product recall for the year 2023	7. Certificate of guarantee that the equipment is brand new, unused and not a discontinued model or was not in the product recall for the year 2023
	8. Certificate of guarantee that the supplier shall be responsible for the delivery, installation, network infrastructure to connect the machines with the existing PACS of the hospital (if ever needed by the enduser)	8. Certificate of guarantee that the supplier shall be responsible for the delivery, installation, network infrastructure to connect the machines with the existing PACS of the hospital (if ever needed by the enduser)
	Training Requirements	Training Requirements (Please provide certification)
	Certificate of guarantee that bidders shall provide local application trainings for 1 week (on-site training after the installation to the end-user and maintenance support personnel)	Certificate of guarantee that bidders shall provide local application trainings for 1 week (on-site training after the installation to the end-user and maintenance support personnel)



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Table with 3 columns: Item No., Item Description (As indicated in the Bidding Documents), and Corrections/Modifications/Amendments (in bold & italicized words). Item 3 details a 'Delivery and Installation of Brand New Digital Bispectral Index BIS Monitoring System' with various technical specifications and amendments like 'Weight: ≥ 700g but ≤ 2.5 kgs' and 'Indices update rate: ≤ 1 s'.

For guidance and information of all concerned.

Cesar Q. Tronco, R.N.
Chairperson
Bids and Awards Committee

[Handwritten signature]

Received by the Bidder:

Printed Name & Signature

Name of Bidder/Company

Date:

Section VII. Technical Specifications

IB No. UMC 23-45 Procurement of Various Medical Equipment for Anesthesiology Department
(Revised as indicated in the Bid Bulletin No. 01-2023)

Item No.	Specification	Statement of Compliance				
		<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>				
	Procurement of Various Medical Equipment for Anesthesiology Department	Qty	Unit	Brand	Model	Statement of Compliance
1	Delivery and Installation of Brand New Portable Ultrasound Machine	1	Unit			
	General Specifications of the Ultrasound:					
	1. The unit must be portable, compact type that would allow for use on table top or adjustable cart and with a built in teaching assistance module application for learning and training of the end-user and its trainees					
	2. The weight must be not more that 6.5 kilogram excluding the probe					
	3. Must have a built-in batteries that can provide a scan time of at least two (2) hours without charging and with a standby mode of at least 70 hours					
	4. The screen must be a seamless colored LCD type, at least 15.5 inches and a touch screen for easy manipulation of the preset programs					
	5. The operating system must be microsoft windows 10 or higher, Intel generation 6th or higher and i7 quad core or higher					
	6. The screen pixel resolution must be at least 1918 x 1078					
	7. Must have at least 3 active probes port					
	8. The integrated power supply must be 50-60 hertz; 240 volts or must provide complete incidental accessories from the main source to the unit such as step up or step down transformer in reference to the existing voltage of the hospital					
	9. The bidder must provide a dedicated UPS of at least 2 kVA or compatible to the machine offered					
	Probes inclusion:					
	1 unit convex probe with a frequency of at least 1.4 - 5.7 megahertz					
	1 unit linear array with button probe with a frequency of at least 3.4 - 12.6 megahertz					
	1 unit adult phase array with a frequency of at least 1.6 - 4.5 megahertz					
	Software Applications:					
	Must include a license application software such as B mode, M mode, color flow, power doppler, pulse wave with high PRF, continuous wave, anatomical M mode, tissue doppler					
	Basic applications such as abdominal, arterial, cardiac TEE, thoracic, urological, vascular, transcranial, rectal, vaginal, gyne and obstetrical, pediatrics, small parts, derma and rheumatology (license)					
	With advance application software (license)					
	1. For calculation of velocity time integral, stroke volume, cardiac output and flux					
	2. Dynamic panoramic view of the entire lung for assessment of pattern images, cumulative lung core summing up mode and lung zoning parameters					
	3. Capable of measuring IVC collapsibility in respiratory cycle real time					
	4. Real time AI tools for nerve landmarks and targeted nerve block					
	5. Capable of single view or side to side presentation of images					
	6. Capable of scanning different zones of the eFAST and FAST					

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	Procurement of Various Medical Equipment for Anesthesiology Department	Qty	Unit	Brand	Model	Statement of Compliance
	7. Capable of needle recognition using color or doppler in anatomy motion, catheter size base on vessel diameter measurement					
	8. Capable of free drawing, simplification of documentations, voice control for scanner (optional) and shared screen training					
	9. The system must have a cleaning mode capabilities for infection					
	Image Archive and Connectivity:					
	1. Must have a built in storage of Dicom images of 128GB, single integrated solid state drive or higher type					
	2. Must have a license HIS work list for patient identification, report management, query, retrieval, and capable of connecting to the existing PACS of the hospital					
	3. The format images must be Dicom compliant and can be formatted to JPEG, MPEG, AVI or H264 and higher clinical type images					
	4. Can store live scan configurable to images and can be transferred to USB or any removable hard drive for back up purposes (support export format using USB, HDMI and LAN port)					
	5. Capable of image previewing cine playback, post processing and printing					
	6. Must include in the package is the 1 unit of image printer and at least 20 rolls of ultrasound paper compatible with the offered machine					
	Cart Inclusion:					
	1. Must have a monitor holder capable of horizontal movement of at least 230 degrees					
	2. The backward tilt range of 35-40 degrees and forward movement range of 8 - 12 degrees					
	3. Must have a caster and a swivel type with brake and lock for safety of the patient and machine					
	4. The height of the cart must be within the range of 45 inches to 64 inches					
	5. The width of the cart must be within the range of 18 inches to 21 inches					
	6. The depth of the cart must be within the range of 18 inches to 20 inches					
	7. The cart must have a built in probe holder, gel cup and warmer					
	8. Must have a removable storage cabinet or bin for supplies (gel and ultrasound paper for printer)					
	Other Terms and Conditions: (Please provide certificate)					
	1. Certificate that the system is all in one system design - workstation and integrated system (attached brochure or literature as proof)					
	2. Certificate of guarantee of three (3) years warranty on the parts and services after the warranty period					
	3. Certificate of guarantee for another 1 year of semi-annual planned maintenance (service only) after warranty period					
	4. Certificate of guarantee that there should be a minimum of three (3) engineers currently employed by the principal or bidders (attach employment contract as proof)					
	5. Certificate of guarantee of 95% uptime for the equipment offered					
	6. Certificate from the principal/ manufacturer to honor the terms and conditions stated in the contract even in the event that a change of dealership will occur during the duration of the said contract					

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Item No.	Specification	Statement of Compliance			
		Qty	Unit	Brand	Model
	Procurement of Various Medical Equipment for Anesthesiology Department				Statement of Compliance
	7. Certificate of guarantee that the equipment is brand new, unused and not a discontinued model or was not in the product recall for the year 2023				
	8. Certificate of guarantee that the supplier shall be responsible for the delivery, installation, network infrastructure to connect the machines with the existing PACS of the hospital (if ever needed by the enduser)				
	Training Requirements (Please provide certification)				
	Certificate of guarantee that bidders shall provide local application trainings for 1 week (on-site training after the installation to the end-user and maintenance support personnel)				
	Regulatory Standards				
	1. ISO 9001-2015: Quality Management System or its equivalent				
	2. ISO 14001: International Environmental Management System				
	3. ISO 13485: Quality Management System for Medical Devices				
	4. CE Mark or its equivalent				
2	Delivery of Brand New Intubation Fiberscope	1	Unit		
	Size: 3.6 - 3.8 mm x 64 - 66mm				
	Deflection up/down: ≥ 140° / 140°				
	Direction of view: 0°				
	Angle of view: ≥ 120°				
	Working Length: 65-70cm				
	Total Length: 90-95cm				
	Inner Diameter: 1.4 - 1.6mm				
	Distal Tip Outer Diameter: 3.6 - 3.8mm				
	Camera: NTSC and PAL supported				
	Features:				
	C-MAC Monitor Compatible				
	With Camera Head on the tip (6-8 pin)				
	Eyepiece version				
	With suction valve				
	With LED Battery Light Sources				
	With fiber optic light cables				
	With case box included				
	With leakage tester				
	With Irrigation Adaptor				

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	Procurement of Various Medical Equipment for Anesthesiology Department	Qty	Unit	Brand	Model	Statement of Compliance
3	Delivery and Installation of Brand New Digital Bispectral Index BIS Monitoring System	1	Unit			
	Portable with dual (two-in-one) monitor (BIS and Anesthesia Monitor)					
	Weight: $\geq 700g$ but ≤ 2.5 kgs					
	Dimensions: $\geq 215 \times 150 \times 65mm$					
	Display Size: $\geq 7"$ (154.08 x 85.92mm)					
	Battery:					
	≥ 3.7 volts					
	Capacity: ≥ 3500 mAh					
	Rechargeable					
	Battery Life: ≥ 2.5 hours					
	With bluetooth mode capability (compatible with phone or computer)					
	Cable length: 2 meters					
	With touchscreen access capability					
	With the following index ranges:					
	qCON index range: 0-99					
	qNOX index range: 0-99					
	EMG index range: 0-100					
	SQI index range: 0-100					
	BSR index range: 0-100					
	Indices update rate: ≤ 1 s					
	qCON index alarms: Selectable, high & low limit, audio and visual					
	Total index update time: ≤ 10 s					
	Indices trends graphing: Selectable, qCON, qNOX, EMG, BSR					
	Lead-off detection: Continuous					
	Sensor impedance check: Automatic every 15-20 minutes or on request via panel button					
	EEG Acquisition Technical Specifications:					
	EEG sensitivity: ≥ 44.58 nV					
	Noise: $\leq 6 \mu Vp-p$ (BW 70 Hz)					
	CMRR: ≥ 100 dB					
	Input Impedance: ≥ 1 M Ω (@10Hz)					
	Sampling frequency: 1024 samples/second, 24 bits/sample					
	Input sample range: $\pm 374 - 384$ mV					

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	Procurement of Various Medical Equipment for Anesthesiology Department	Qty	Unit	Brand	Model	Statement of Compliance
4	Delivery and Installation of Brand New TCI Pump	1	Unit			
	General Specifications and Features:					
	Weight: 1.5 - 2.5 kg					
	Dimensions (H x W x D): ≤ 135 x 345 x 170 mm					
	Power Supply: 100V-240V, AC - 50/60Hz					
	Display: Graphic LCD Monochrome - Size: 66 x 33mm (256 x 128 pixels)					
	With graphic representation of the pressure in the infusion line and of the pressure limit					
	With Wireless Capability via Wi-Fi connections					
	Flow Rate Range: 0.1 - 1200 mL/h					
	Flow Rate Accuracy: ≤ 2%					
	Volume /Dose Infused Capability: 0.1-999 ml/ 0.1-9999 units					
	Syringe Capacity / Compatibility: ≤ 5cc to ≥ 60cc					
	With direct bolus: Rate: ≤ 50 - 1200 mL/h					
	With programmed bolus (dose or volume/time): 0.1-99.9mL, 0.01-9999 units/1 second-24h					
	KVO: adjustable from 0.1 to 5mL/h					
	Infusion Mode: ml/h mode					
	Dose Rate Modes: ng/h, ng/kg/min, ng/kg/h, microg/min, microg/h, microg/kg/min, microg/kg/h, mg/min, mg/h, mg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, mg/m2/h, mg/m2/24h, g/h, g/kg/min, g/kg/h, g/kg/24h, mmol/h, mmol/kg/h, mmol/kg/24h, mU/min, mU/kg/min, mU/kg/h, U/min, U/h, U/kg/min, U/kg/h, kcal/h, kcal/24h, kcal/kg/h, mEq/min, mEq/h, mEq/kg/min, mEq/kg/h					
	Dilution setting: --units/mL or --units/--mL					
	Volume or dose /time: 0.1-99.9 mL; 00 h 01 - 96 h 00					
	Volume limit: 0.1 - 999 mL					
	With the inclusion of the following TCI Mode:					
	Marsh & Schnider with Plasma and TCI Effect target for Propofol administration in adults					
	Kataria & Paedfusor with Plasma target for Propofol administration in pediatrics					
	Minto, Gepts & Scott for with Plasma and TCI Effect target for Remifentanil, Sufentanil and Alfentanil administration in adults					

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Procurement of Various Medical Equipment for Anesthesiology Department		Qty	Unit	Brand	Model	Statement of Compliance
	With automatic Data Logging of events (≥ 1500), Dynamic Pressure System (DPS), and Anti-Bolus System (≤ 0.35 mL max for a 50 mL syringe)					
	With syringe barrel clasp check, plunger head detection, anti-siphon system check, and flange detection					
	With disengaged driving mechanism alarm, low battery pre-alarm, discharged battery alarm, battery capacity display in hours and minutes, unconfirmed programming, technical malfunction alarm (auto-test, rotation), drive system advance check, watchdog check, communication connection failure, plug-head disengagement, auto-lock/lock code (on keypad)					
	With a versatile clamp that allows the fixation on a rail or on a pole (Pole: $\geq 20-40$ mm max./ Rail: $\geq 25-35$ x 10 mm)					
	With up to 2-3 devices self-stackable on a pole					
	Battery Life (when fully charged):					
	Wi-fi disabled / not used: > 11 h at 5 mL/h					
	Wi-fi enabled: > 6h at 5mL/h					
	Battery recharge:					
	Pump OFF: <5-6h					
	Pump ON: <18-20h					
	--- Nothing Follows ---					

Name of Bidder: _____

Submitted by: _____
 (Printed Name and Signature)

Designation: _____

Date: _____