AMENDMENT III
04.01.2014

SITC OF EQUIPMENT (PART A-Medical Equipmentsand PART B-Non-MedicalEquipments)AT EMERGENCY MEDICAL SERVICES / CASUALITY DEPARTMENT IN JIPMER, PUDHUCHERRY

SITC OF EQUIPMENT (PART A-Medical Equipments and PART B-Non-Medical Equipments) AT EMERGENCY MEDICAL SERVICES / CASUALITY DEPARTMENT IN JIPMER, PUDHUCHERRY

THE AMENDEMENT TO THE ORIGINAL SPECIFICATION IN THE ANNEXURE A IS AS FOLLOWS

EQUIPMENT NO 1 – Defibrillator Monitor			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as**
1.4	Should work on manual and automated external defibrillation (AED) mode. Should have manual selection up to 200J.	1.4	Should work on manual and automated external defibrillation (AED) mode. Should have manual selection up to 200J. Should be capable of delivering 200J in both manual and AED mode.
1.14	Should have charging time of less than 5 seconds for maximum energy. Charging indicator should be present.	1.14	Should have charging time of less than 10 seconds for maximum energy. Charging indicator should be present.
1.16	Should have external paddles with paddles contact indicator – for good paddle contact.	1.16	Should have external paddles
3.2	The quoted model should have FDA/CE/BIS certificate and copy of the same should be enclosed along with the technical bid.	3.2	Should be FDA approved and copy of the same should be enclosed along with the technical bid.
		1.24	To assess the efficiency of CPR, defibrillator should have ECG, SPO2 and Et CO2 monitoring with accessories.
EQUIPMENT NO 2 – Multichannel monitor with transport capability			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**

2.1	Minimum 12 inches multi colored TFT display screen.	2.1	Minimum 15 inches multi colored TFT display screen.
5.1	Should be FDA/CE/BIS approved product.	5.1	Should be FDA approved product, as these are vitals monitoring device and copy of the same should be enclosed along with the technical bid.
EQUIPMENT NO 4 - Portable ventilators			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.8.a	TV 50 – 1500 ml	1.8.a	TV 100 – 1500 ml
1.8.c	RR up to 40 bpm	1.8.c	RR up to 80 bpm
1.9	Should have battery backup for minimum 2 hours, and additional port for recharging from ambulance.	1.9	Should have battery backup for minimum 4 hours, and additional port for recharging from ambulance.
2.3	Air Hose – 01 (Each ventilator)	2.3	Air Hose – 01 (Each ventilator) (if system is not based on turbine / venture technology)
EQUIPMENT NO 5 – High End Ventilators			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**

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1.1	Microprocessor Controlled ventilator with integrated facility for ventilation monitoring suitable for use on adults, small sized adults and adolescents. Should NOT be a machine working on turbine technology or any modification thereof.	1.1	Microprocessor Controlled ventilator with integrated facility for ventilation monitoring suitable for use on adults, small sized adults and adolescents. Should NOT be a machine working on turbine technology or any modification thereof. Ventilator should have external compressor.
2.2.2	Color TFT screen, 12 inch or more, vertical display	2.2.2	Color TFT screen, 10 inch or more, vertical display
2.6.a	Tidal Volume – 50 to 2,000 ml	2.6.a	Tidal Volume – 50 to 2,500 ml
2.6.b	Pressure (insp): 5 to 70 Cm H2O	2.6.b	Pressure (insp): up to 60 Cm H2O
2.6.d	Respiratory Rate: 5 to 100	2.6.d	Respiratory Rate: up to 80 bpm
2.8.h	At least one automated weaning mode	2.8.h	Dual modes
4.5	Filter paper for humidifier for 100 uses -02	4.5	Deleted
EQUIPMENT NO 7 – Minor OT Table			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.7	The table stem should be located under the middle of the back section making the tabletop eccentric.	1.7	The table stem should be located under the middle of the back section making the tabletop eccentric. The longitudinal transverse movement should be both head side and leg side.

1.8	Table should be able to carry heavy patients and have a capacity of up to 300kgs with an option for width extension of obese patients.	1.8	Table should be able to carry heavy patients and have a capacity of 220-250kgs with an option for width extension of obese patients. Should have emergency override for unlock device with manual floor lock release. Should achieve auto leveling by one press of the button.
1.10	Table should offer low minimum height enabling the surgeon to operate even when seated (Range 2 to 2.5 feet)	1.10	Table should offer low minimum height enabling the surgeon to operate even when seated (Range: 680-720mm)
EQUIPMENT NO 8 – High End OT Table			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.5	The handset should offer controls for trendelenberg / reverse trendelenberg, lateral tilt, flexion/extension (90/230 degree), longitudinal tabletop traverse and height functions (min. height around 700-800mm and max. height around 1000-1200mm).Should have facility to return to neutral position (auto zero)	1.5	The handset should offer controls for trendelenberg / reverse trendelenberg, lateral tilt, flexion/extension (90/230 degree), longitudinal tabletop traverse and height functions (min. height around 520-720mm and max. height around 1000-1200mm).Should have facility to return to neutral position (auto zero)
2.11	Telescopic extension bars made of chrome nickel steel with traction bars installed so as to be pivotable making possible trouble free intra-operative use of image intensifier in AP , lateral and oblique planes (2 pieces)	2.11	Telescopic extension bars made of chrome nickel steel / 304 grade Stainless steel with traction bars installed so as to be pivotable making possible trouble free intra-operative use of image intensifier in AP , lateral and oblique planes (2 pieces)

SITC OF EQUIPMENT (PART A-Medical Equipments and PART B-Non-Medical Equipments) AT EMERGENCY MEDICAL SERVICES / CASUALITY DEPARTMENT IN JIPMER, PUDHUCHERRY

3.2	The quoted model should have CE/BIS certificate and copy of the same should be enclosed along with the technical bid.	3.2	The quoted model should have FDA/CE/BIS certificate and copy of the same should be enclosed along with the technical bid.
EQUIPMENT NO 9 – High End LED Theatre Lights			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.A.4	Should have minimum 90 LEDs	1.A.4	Should have minimum 70 or more LEDs (provided demo can prove the required intensity and shadow less nature of light)
1.A.7	Depth of field should be 30 – 35 inch	1.A.7	Depth of field should be 30 inch or more
EQUIPMENT NO 12 – High End USG machine			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.2	Latest generation electronic phased array color Doppler system with minimum 50,000 electronic processing channels. System should be DICOM 3 or higher version compatible and capable of being interfaced with HIS/RIS/PACS and connectivity to any PC/computer etc in DICOM format.	1.2	Latest generation electronic phased array color Doppler system with minimum 1000 electronic independent channels. System should be DICOM 3.0 or higher version compatible and capable of being interfaced with HIS/RIS/PACS and connectivity to any PC/computer etc in DICOM format.

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1.3	Should be field upgradeable to next generation system on site. All new software should be upgraded free of cost for at least 3 years.	1.3	(Sentence deleted). All new software should be upgraded free of cost for at least 3 years.
1.4	Speckle reduction filter, real time spatial compounding, frequency compounding or better technology should be available in convex and linear probes for better resolution and penetration. The system shall have automatic system optimization (One Button) for Both B Mode and Doppler.	1.4	Speckle reduction technology, real time spatial compounding, frequency compounding or better technology should be available in convex and linear probes for better resolution and penetration. The system shall have automatic system optimization (One Button) for Both B Mode and Doppler.
2.1	Latest generation electronic phased array color Doppler system with minimum 50,000 digital processing channels.	2.1	Latest generation electronic phased array color Doppler system with minimum 1000 electronic independent channels.
2.3.3	Broad band linear array transducer frequency range of 3 to 17 MHz suitable for vascular, superficial, musculoskeletal, superficial and small parts applications.	2.3.3	Broad band linear array transducer frequency range of 3 to 16 MHz suitable for vascular, superficial, musculoskeletal, superficial and small parts applications.
2.3.6	3D volume acquisition transducer of 2 to 6 MHz for 3D and live 4D imaging	2.3.6	3D volume acquisition transducer of 2 to 6 MHz for Obs / Gyn and Abdomen application and Real-time 4D / 4D imaging
2.6	Gain control in two dimensions for additional level of flexibility to image quality control.	2.6	Deleted
2.8	Frame rate should be 500 FPS or more.	2.8	Diagnostic frame rate to be mentioned at 20 cm depth and 75° sector in B mode. Higher frame rate machine will be preferred.

2.11	Modes – 2D, 3D, 4D, B Mode, B/B Mode, M-Mode, steerable PW/CW Doppler, color Doppler, tissue Doppler, B/M Mode, B/PW Doppler, B/CW Doppler, B/ I Power Angio, B and Power Angio should be available. System shall have 3D imaging on all transducers. System shall have curved and endovaginal 4D capabilities, on Doppler 2D Strain imaging, 2D Tissue Doppler color coded	2.11	Modes – 2D, 3D, 4D, B Mode, B/B Mode, M-Mode, steerable PW/CW Doppler, color Doppler, tissue Doppler, B/M Mode, B/PW Doppler, B/CW Doppler, B/ I Power Angio, B and Power Angio should be available. Real-time 4D endocavitary probe with biopsy facility and sterilizable biopsy guides should be available.
2.12	Monitor should be High resolution, non-interlaced LCD Color monitor of 20 inches or more with tilt and swivel facility to view in all angles and all light conditions.	2.12	Monitor should be High resolution, non-interlaced LCD Color monitor of 17 inches or more with tilt and swivel facility to view in all angles and all light conditions.
2.20	Frame grabber facility for post analysis	2.20	Inbuilt frame grabber facility for post analysis
2.31	4 Active Ports should be available.4 parking ports or more Any Probes any Port interchangeable connectivity should be possible with simple electronic selection method for interchanging transducers	2.31	3 Active Ports should be available with one additional parking port.
EQUIPMENT NO 13 – Medium End USG machine			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.3	Should be field upgradeable to next generation system on site. All new software should be upgraded free of cost for at least 3 years.	1.3	Software should be field upgradeable and new software introducible. All new software should be upgraded free of cost for at least 3 years.

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1.4	Speckle reduction filter, real time spatial compounding, frequency compounding or better technology should be available in convex and linear probes for better resolution and penetration.	1.4	Speckle reduction technology, real time spatial compounding, frequency compounding or better technology should be available in convex and linear probes for better resolution and penetration. The system should also be able to perform live imaging application of 2D, Color and M mode on the frozen/stored or recalled images.
2.6	Gain control in two dimensions for additional level of flexibility to image quality control.	2.6	Deleted
2.8	Frame rate should be 300 FPS or more. The frame rate in triplex mode should not be less than 12 frames per seconds.	2.8	Frame rate should be 300 FPS or more (Imaging angle 60° and Intended application is cardiac probe). (Sentence deleted).
2.12	Monitor should be High resolution, non-interlaced LCD Color monitor of 17 inches or more with tilt and swivel facility to view in all angles and all light conditions.	2.12	Monitor should be High resolution, non-interlaced LCD Color monitor of 15 inches or more with tilt and swivel facility to view in all angles and all light conditions.
EQUIPMENT NO 14 – Portable USG machine for resus and MICU			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
2.1	System should be offered with following electronic multi-frequency Broad Band width transducers: FOR 6 DOPPLER UNITS	2.1	System should be offered with following electronic multi-frequency Broad Band width transducers.
2.3	Phased array sector transducer 1 to5 MHz for cardiac imaging. 4. Trans cranial Doppler probe	2.3	Phased array sector transducer 1 to5 MHz for cardiac imaging. 4. deleted

	(OPTIONAL)		
EQUIPMENT NO 14 A – Portable USG for OT			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
2.3	Phased array sector transducer 1 to 5 MHz for cardiac imaging. 4. Trans cranial Doppler probe (OPTIONAL)	2.3	Phased array sector transducer 1 to 5 MHz for cardiac imaging. 4. Deleted. Two active ports for transducer to be mounted. Enhanced echogenicity for needles to perform nerve blocks. Cine loop for minimum 60 secs. Optional facility to upgrade to TEE probe.
EQUIPMENT NO 15 – Digital mobile x ray unit (portable)			
Tender clause No.	**Original tender specification:-**	**Amended tender clause No.**	**Amended as:-**
	Name of the Equipment: Digital mobile x ray unit (portable)		Name of the Equipment: High Frequency Mobile x ray
EQUIPMENT NO 16- Portable C arm			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**

A.	Generator: Should be microprocessor controlled high frequency generator with 2.5 kW or more with integrated beam filters to reduce patient skin radiation dose.	A.	Generator: Should be microprocessor controlled high frequency generator with 1.4 kW or more with integrated beam filters to reduce patient skin radiation dose.
C.	KV – range should be 40 – 110 kV	C.	KV – range should be 40 – 110 kV .Equipment booting time and kV rise time should be mentioned by bidder in the technical compliance sheet.
EQUIPMENT NO 20 – Laparoscopy set			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
1.3 & 1.4	Pure Digital signal with high definition video (1280*1024 native resolution). Resolution-2000 horizontal lines	1.3 & 1.4	Pure Digital signal with high definition video (1920*1080 resolution)
1.5	8 specialty settings	1.5	The unit should automatically adjust to various diameters of scopes and specialties
1.6	Integrated Flexible Scope filter	1.6	Deleted
2.1	2 DVI output	2.1	1 DVI output
3.2	Elliptical Bulb technology	3.2	Deleted
3.3	Bulb working life 5800hrs	3.3	Bulb working life 500hrs
4.1	6.5mm*7.5 feet Snap Fit cable	4.1	Quantity 1 No.s
5.1	19'' Flat Panel Monitor Color	5.1	26'' High definition medical grade monitor
6.1	40 Liter of high flow	6.1	30 Liter of high flow
6.5	LCD based central display monitor with multilingual text & graphics	6.5	Standard medical grade monitor.
6.6	Flexible video telescope	6.6	Deleted

6.6	Yellow Glass index for optimum evenness of focus & contrast	6.6	Deleted
7.8	Trocars (pyramidal tip) 10 mm 4 Nos.	7.8	Trocars (pyramidal tip) 10 - 11 mm 4 Nos.
7.9	Trocars (pyramidal tip) 5 mm 4 Nos.	7.9	Trocars (pyramidal tip) 5 – 5.5 mm 4 Nos.
7.11	Trocars washer mm 50 Nos.	7.11	Trocars washer 10 - 11mm 50 Nos.
EQUIPMENT NO 21 – Endoscopy set			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
2.4	Controls to freeze images enhance a portion of frozen image (zoom & post-processing).	2.4	Should have freeze facility
2.9	9. 15” LCD color monitor with XGA resolution.	2.9	15” LCD color monitor with S video / XGA / DVI resolution
EQUIPMENT NO 23 – Anesthesia Machine			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
3.29	Ventilator should be capable of at least 120-150 L/min peak flow to facilitate rapid movement through physiologic “dead space” in the Pressure Control mode.	3.29	Ventilator should be capable of at least 100L/min or more peak flow to facilitate rapid movement through physiologic “dead space” in the Pressure Control mode.

3.38	Should include inbuilt Anesthesia record keeping software facility in all OT monitor to document anesthesia event using standardized menu based entries. Compatible with common third party information management systems.	3.38	Should have the provision to output data to HIS from anesthesia machine, ventilator and monitor through a single interface. Should be compatible with HL7, to communicate to HIS (hospital information system).Anesthesia workstation including ventilator and vitals monitor should be from same OEM and factory integrated.
7.1	Should be FDA or CE approved product.	7.1	Should be FDA approved product, as it act as life support equipment and copy of the same should be enclosed along with the technical bid.
EQUIPMENT NO 24 – AUTOMATIC EXTERNAL DEFIBRILLATOR (AED)			
Tender clause No.	**Original tender specification**	**Amended tender clause No.**	**Amended as:-**
	Equipment Name: AUTOMATIC EXTERNAL DEFIBRILLATOR (AED) / AED (Defib)		Equipment Name: Defibrillator with AED
		3.5	Should be FDA approved and copy of the same should be enclosed along with the technical bid.

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Tender clause No.	Original tender specification	Amended tender clause No.	Amended as:-
Section VIII - Qualification criteria, page no. 47	The Manufacturer or the Manufacturer's authorized Agent should have supplied, installed and commissioned satisfactorily at least three similar works costing not less than Rs. 3.70 crores or two similar works each costing not less than Rs. 5.5 croroes OR One similar work costing not less than Rs. 7.40 crores in the last Five years. Similar works means, Supply, installation, testing and commissioning of Medical Equipment and Medical furniture of similar in nature to the specification provided in this document.	Section VIII - Qualification criteria, page no. 47,48	In last Five years, till the date of Tender Opening, the Manufacturer should have supplied and installed, at least 50% of the quoted quantity of the similar equipment meeting major parameters of technical specification and is functioning satisfactorily. (For equipments which are consumable in nature, as identified in the list of requirement, proof of delivery/ acceptance by consignee/purchaser shall also be considered acceptable) ;The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least three contract in the last five years till the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer
	Last date and time of Submission of Tender document – **09.01.2014** at 2.00 pm		Last date and time of Submission of Tender document – **16.01.2014** at 2.00 pm
	Last date and time of Opening of Technical bid – **09.01.2014** at 3.30 pm		Last date and time of Opening of Technical bid – **16.01.2014** at 3.30 pm
Page No:19	The earnest money shall be furnished in one Of the following forms: i) Account Payee Demand Draft ii) Bank Guarantee	Wherever it's applicable	**Tender Security Amount Earnest Money Deposit (EMD) as Demand draft (DD)Only.**

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The bidder has to enter breakup Prices for the all individual items both Part-A and Part-B Otherwise the bid will Liable to be rejected			