

Date: 22-Mar-2017

Minutes of the Meeting of committee members duly constituted for the purpose of technical pre-bid meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 to be procured for the Six new AIIMS

Committee consisting of the following members for the purpose of technical pre-bid addressal meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 for department of Cardiology for Six new AIIMS on 22nd March 2017 held at B-14A, Sec-62, Noida at HLL Lifecare Ltd .

- 1- Dr. Ramachandra Barik, Associate Professor (Cardiology), AIIMS Bhubaneswar
- 2- Dr. Surender Deora , Assistant Professor (Cardiology), AIIMS Jodhpur

The committee attended the pre-bid meeting, listen representation of the probable bidders and addressed the same also looked into the representations received by email & hard copies from prospective bidders till date 22nd March 2017 by 5:00 P.M and recommended necessary changes/amendments.

AIIMS-II-26 Prebid-Representations for the Deptt of Cardiology (Pre-Bid date: 22.03.2016)
Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 dated 08.03.2017

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
			The offered system be top of the line platform on a worldwide basis .	Siemens	To be deleted	Ammededd as "The offered system be top of the line platform on a worldwide basis and US-FDA approved"
			It should be light weight easily portable machine (less than 7 kgs) with proper bag and storage facility	Siemens	To be deleted	It should be light weight easily portable machine with proper bag and storage facility
			A separate cart (of the same company) should be provided for moving the portable machine	Siemens	A separate cart (of the same company) / Trolley mounted should be provided for moving the portable machine	The portable machine should come with an imported cart with three universal imaging transducer port, mobile on four wheels (trolley) for easy movement, with facility to detach the machine from the cart easily for transportation.
			Should have flat panel high resolution display monitor minimum 15 inch	Siemens	Should have flat panel high resolution display monitor minimum 17 inch	NO CHANGE
			Should have a dynamic range of 160 DB minimum	Siemens	Should have a dynamic range of 200 DB minimum	Ammedded as "Should have a dynamic range of 200 DB minimum"
			Should have a large hard disk capacity to store patient data into the hard drive	Siemens	Should have a large hard disk capacity at least 300GB to store patient data into the hard drive	Ammedded as "Should have a large hard disk capacity at least 1 TB to store patient data into the hard drive"
			Para: System should have extremely high resolution 2D imaging, color flow imaging, M-mode, PW Doppler, CW Doppler, and Duplex modes.	Philips	Kindly include, both colour and PW Tissue doppler imaging, TDI velocity quantification, contrast imaging to detect contrast agents and 2D speckle tracking.	NO CHANGE
			Para: Should have maximum color Doppler frame rate of 200Hz .Should have an on-board workstation for storage and review of all exams i.e. 2D Doppler, Loops etc	Philips	kindly mention the 2D frame rates. Suggest a frame rate of 750fps	Ammedded as "Should have maximum color Doppler frame rate of 750fps .Should have an on-board workstation for storage and review of all exams i.e. 2D Doppler, Loops etc"
			Para: J, Adult echo transducer: transducer technology for adult probes should be clearly mentioned in technical bid.	Philips	Adult transducer with frequency from 1-5 MHz	Accepted, Adult transducer with frequency from 1-5 MHz
	1	Portable Colour Doppler System		Siemens	1, Adult echo transducer: 2-4MHz transducer technology for adult probes should be clearly mentioned in technical bid.	

	<p>8. Image storage facility on in build hard disc or MOD/CD/DVD-RW facility should be available. In built hard disc with capacity of 5TB. System should have extensive image management capability including thumb nail review, Cine loop editing etc</p>	Siemens	<p>Image storage facility on in build hard disc or MOD/CD/DVD-RW facility should be available. In built / external hard disc with capacity of 5TB. System should have extensive image management capability including thumb nail review, Cine loop editing etc.</p>	NO CHANGE
	<p>Para: 10. System should have 4D (Live 3D) Echocardiography capability with color flow imaging</p>	Philips	<p>System should have 4D (Live 3D) Echocardiography capability with colour flow imaging with single beat.</p>	<p>Amended as "System should have 4D (Live 3D) Echocardiography capability with colour flow imaging with single beat".</p>
<p>5 High End Echocardiograph y system</p>	<p>12. Should be able to perform advanced quantification measurements like strain & Strain rate quantification. Should measure the myocardial velocity and derives the strain rate and strain along user-defined M-lines, Capable of drawing up to 3 M-lines at a time, Capable of sub-dividing each M-line into 8 sub-regions or according to user-defined sub-region sizes, Point of interest tool obtains values from any point on the Mmode display. In addition to the tissue Doppler based strain system should have 2D based strain like VVI, AFT and TMQ should be offered. These should be offered both on the system and on a licensed workstation. OFF-CART workstation (both licensed hardware and licensed software) should be quoted and highlighted in the technical bid.</p>	Siemens	<p>Should be able to perform advanced quantification measurements like strain & Strain rate quantification. Should measure the myocardial velocity and derives the strain rate and strain. In addition to the tissue Doppler based strain system should have 2D based strain like VVI, AFT and TMQ should be offered. These should be offered both on the system and on a licensed workstation. OFF-CART workstation (both licensed hardware and licensed software) should be quoted and highlighted in the technical bid.</p>	NO CHANGE
	<p>14. System must be offered with user friendly high resolution user interface touch panel of minimum size of 10.5 inch or intuitive keyboard. User friendliness will be given preference.</p>			<p>Amended as "System must be offered with user friendly high resolution user interface touch panel of minimum size of 12.0 inch or intuitive keyboard. User friendliness will be given preference.</p>

<p>SYSTEM MUST BE THE FOLLOWING TRANSDUCERS</p> <p>3. 4D (Live 3D) Echo matrix transducer for adult 4D (Live 3D) with frequency ranging from 1-5±1 MHz. This probe must support a minimum of 2000 elements for exceptional 4D (Live 3D) image quality on the matrix array transducer to simultaneous display of two real-time live high-quality image planes. This transducer should have either single crystal technology or pure wave technology for excellent image quality on difficult to image patient. Please mention the crystal technology used in the transducer. Systems offered with normal transducers for adult echo are liable for rejection</p>	Siemens	<p>4D (Live 3D) Echo matrix transducer for adult 4D (Live 3D) with frequency ranging from 1-5±1 MHz. This probe must support a minimum of 1700 elements for exceptional 4D (Live 3D) image quality on the matrix array transducer. This transducer should have either single crystal technology or pure wave technology for excellent image quality on difficult to image patient. Please mention the crystal technology used in the transducer. Systems offered with normal transducers for adult echo are liable for rejection.</p>	
<p>SYSTEM MUST BE THE FOLLOWING TRANSDUCERS</p> <p>4. 5-12 MHz broadband pediatric echo transducer for neonatal and large pediatric cardiology imaging.</p>	Siemens	4-10 MHz broadband pediatric echo transducer for neonatal and large pediatric cardiology imaging	NO CHANGE
To be added	Siemens	Optional: The system should be capable of Intracardiac Echocardiography in 2D and Live 3D	NO CHANGE
To be added	Siemens	The system should offer 90X90 deg. Imaging with 16cm penetration at the volume rate of 40 volumes per sec.	NO CHANGE
To be added	Siemens	The system should be capable for modeling software of both aortic and mitral valve anatomy in 3D volume TEE imaging.	NO CHANGE
	Phillips	Latest Pentium PC (off-cart workstation) with permanent licence software for analysing and quantification of 2D and 3D data sets like Strain and Strain rate imaging, Tissue Motion Annular Displacement, Mitral valve 3D data sets, 2D Speckel tracking, CD/DVD writer with image management software and colour laser Printer. PC should be offered with a flat panel 17" display monitor. (hardware essential for OFF Cart quantification)	Added as "Latest PC (off-cart workstation) with permanent licence software for analysing and quantification of 2D and 3D data sets like Strain and Strain rate imaging, Tissue Motion Annular Displacement, Mitral valve 3D data sets, 2D Speckel tracking, CD/DVD writer with image management software and colour laser Printer. PC should be offered with a flat panel 17" display monitor. (hardware essential for OFF Cart quantification)
11. Should have computer interface and HL 7 compliant	Instromedix India	As communication medium RS232 is self sufficient & wireless in advance fulfill all communication with hospital. So RS232 & wireless module optionally should be added for the broader participation & it should be amended or this should be deleted	NO CHANGE

			1. Microprocessor controlled light weight syringe infusion pump with capability for working on AC power and internal rechargeable battery lasting over 4 hours at flow rates of at least 5ml/hr. with full charge. Battery should be easily rechargeable/replaceable and should have provision for running on 12 V DC supply like ambulances. Battery level indicator to show battery charge.	Medion Healthcare Pvt. Ltd.	We would like to inform you that this may be company specific & not all syringe pumps have option to connect & run on 12V DC supply. We kindly request you to delete this point in order to have a competitive bidding scenario.	NO CHANGE
			8. Special function should be available to set the near empty alarm to specific time (3 to 30 minutes in 3 minute stops) before the syringe completely empties.	Medion Healthcare Pvt. Ltd.	This seems to be company specific as most Pumps have preset time of near empty alarm which usually specified by the volume & not time. Our system starts giving near empty alarm once the balance remaining is 5ml. So likewise every company may have setup different level.	NO CHANGE
			13. Light weight (<2 Kg with or without battery), portable and capability for pole mounting. Should be possible to stack one in top of each other up to 4 syringes in one pump holder. Quote for angle adjustable pole camp and for 4 pump holders separately.	Instrumedix India	Please clarify the no. of stacking / docking stations required and aslo no. of poles required	NO CHANGE
			15. Capable of storing up to 500 infusion setting, start/stop alarm event and other data records.	Medion Healthcare Pvt. Ltd.	We suggest to delete this point as infusion setting may change from patient to patient & from drug to drug also based on volume. So in case of emergency in ICU, it is illogical for the operator to search from 500 settings & then select the desired setting. Instead manually they would be able to setup the delivery settings faster. - This point is just cosmetic spec & not ideally useful. It might only increase cost of the product as well as eliminate more bidders thus making it non-competitive.	NO CHANGE
				Karl Storz	Change to 2.5 mm or less	
				Eagle medical	Field of view should be 110- 120 degree or more	
				Eagle medical	Total length should be 850 - 890 mm or more	
				Karl Storz	Change to 550 mm or more	
				Siemens	Since patient full coverage is done from same side and C arm parking positioning has not been asked. So same may be mentioned as "The C arm/G arm should travel both side (right and left) of the patient and it should be possible to park the C arm away from table for patient shifting".	Amended as "The C arm/G arm should travel both side (right and left) of the patient and it should be possible to park the C arm away from table for patient shifting"
5	Syringe Infusion Pump					
8	Fibre Optic Bronchoscope		1. Multi Directional C ARM positioned 2. The C arm/G arm should travel both side (right and left) of the patient for head to toe imaging without repositioning of the patient			

<p>A. Multi Directional C.A.R.M. positioning 4. The C or G arm rotation: minimum 15 degree/second in RAO/LAO and 15 degree/second in cranio/caudal</p>	Siemens	<p>Speed may be mentioned as 18 deg/sec mentioned in tender as 15 deg/sec is too low for emergency situation and will affect productivity.</p>	<p>Amended as "The C or G arm rotation: minimum 18 degrees/second in RAO/LAO and 18 degree/second in cranio/caudal"</p>
<p>B. Patient Table 4. The table should have floating longitudinal and horizontal movement and motorized vertical movement</p>	Siemens	<p>Since table head side tilt is also very useful feature for critical patients. So same may be mentioned as "The table should have floating longitudinal and horizontal movement and motorized vertical movement and head side tilt facility."</p>	<p>Amended as "The table should have floating longitudinal and horizontal movement and motorized vertical movement and head side tilt facility".</p>
<p>D. X ray tube</p>	Philips	<p>Please add the tube should have grip switching facility for better control on dose for patient as well as the doctor.</p>	NO CHANGE
<p>Para: E.1: 1. Flat detector of current generation for cardiovascular application with excellent spatial and contrast resolution (20 x 20cm) with pixel size smaller than 200Um</p>	Philips	<p>Please clarify (20 x 20) cm. Is it length and breadth?, if yes, we supply 17 x 17 cm for cardiology application. Hence request you to amend 20 x 20 cm to 17 x 17cm for larger participation.</p>	NO CHANGE
<p>E. Dynamic flat detector system 4. Any other additional feature/ design/ technology towards image quality improvement will be given preference</p>	Siemens	<p>Same may be mentioned as " Para: E.1: 1. Flat detector of current generation for cardiovascular application with excellent spatial and contrast resolution (25cm diagonally) with pixel size smaller than 200Um</p>	<p>Amended as "Flat detector of current generation for cardiovascular application with excellent spatial and contrast resolution (25cm diagonally) with pixel size smaller than 200Um"</p>
<p>Para-E.7. The system should have capability to acquire the images @ minimum 30 fps for pediatric application: adult cardiology 12.5-25; peripheral angio range (25 to 30fps)</p>	Siemens	<p>This statement is not clear and does not serve intended purpose. To achieve end objective of food image quality, same may be mentioned as "system must be offered with latest image processing software /algorithm to reduce quantum noise in image to have excellent image quality.</p>	<p>Amended as "system must be offered with latest image processing software /algorithm to reduce quantum noise in image to have excellent image quality"</p>
<p>Para-E.7. The system should have capability to acquire the images @ minimum 30 fps for pediatric application: adult cardiology 12.5-25; peripheral angio range (25 to 30fps)</p>	Philips	<p>Image acquisition for paediatric application should be 60 frames/sec, since Paediatric heart moves faster than adult heart. Hence, request you to amend to 60 fps from 30 fps</p>	NO CHANGE
<p>F. Digital Image system 1. Digital cardiac imaging for acquisition storage and retrieval in high matrix of 1024 x 1024 or more acquisition/ display and storage of image application to give excellent resolution</p>	Siemens	<p>Same may be mentioned as " 1. Digital cardiac imaging for acquisition storage and retrieval in high matrix of 1024 x 1024 or more acquisition/ display and storage of image application to give excellent resolution with latest image processing software/algorithm "</p>	<p>Amended as "Digital cardiac imaging for acquisition storage and retrieval in high matrix of 1024 x 1024 or more acquisition/ display and storage of image application to give excellent resolution with latest image processing software/algorithm "</p>
	Philips	<p>By asking for one 56" monitor, user may land up in trouble while malfunctioning of the single monitor. Hence request you to amend to 56" monitor/ 4 nos 19" monitors</p>	<p>Amended as "medical grade large high definition display (app 56 inches) to</p>

Para. f. 4. Medical grade large high definition display (approx. 56 inches).

	<p>To make it more comprehensive same may be mentioned as " medical grade large high definition display (app 56 inches) to display live, reference, 3D,CT like image, Hemodynamic, and EP waveforms with layout selection from table side touch screen in exam room"</p>
<p>F. Digital Image system 6. In control room there should be data entry monitor live monitor and one DICOM based work station capable of all review, post processing and quantification of coronary and ventricular function in the control room. It should be possible to perform simultaneous off line post processing in control room. It should be possible to write DICOM image CD/DVD on this.</p>	<p>Siemens</p> <p>This is vendor specific, every vendor has its own system architecture, so request to remove the same. Instead we may ask for dedicated 3D workstation as "dedicated 3D workstation with independent memory should be provided for 3D and CT like imaging function to enhance workflow with parallel working" to enhance workflow.</p>
<p>F. Digital Image system 7. Cath lab should be supplied with state of art complete coronary ventricular and vascular on line & off line both quantifications software programs which are clinically validated.</p>	<p>Siemens</p> <p>To make more effective, the same may be reframed as"7. Cath lab should be supplied with state of art complete coronary ventricular and vascular on line & off line both quantifications software programs which are clinically validated with operation from exam room and control room"</p>
<p>F. Digital Image system 12. On line acquisition & display of DSA images in 1024 x 1024 matrix with DSA post processing from table side in exam room and control room</p>	<p>Siemens</p> <p>To make it really useful same may be reframed as: 12. On line acquisition & display of DSA images in 1024 x 1024 matrix with DSA post processing from table side touch screen in exam room and control room. All 2D and 3D roadmapping features should be offered. Since DSA is without roadmapping function is not of much use.</p>

display live, reference, 3D,CT like image, Hemodynamic and EP waveforms with layout selection from table side touch screen in exam room"

NO CHANGE

Ammended as "Cath lab should be supplied with state of art complete coronary ventricular and vascular on line & off line both quantifications software programs which are clinically validated with operation from exam room and control room"

On line acquisition & display of DSA images in 1024 x 1024 matrix with DSA post processing from table side touch screen in exam room and control room. All 2D and 3D roadmapping features should be offered. Since DSA is without roadmapping function is not of much use.

- The system should have integrated computer controlled (preferably automatic) X-Ray Beam filtering with copper filters of various size from 0.2 mm to 0.9 mm to reduce soft radiation for fluoroscopy and acquisition mode. Please list the special filters available.
- The system must have all software/hardware packages for radiation safety of operator and patient like CARE & CLEAR/ALLURA Clarity or Equivalent.
- System should meet all National & International safety standards & comply with BARC & AERB guidelines.

Amended as Digital rotational angiography facility at a speed of 40 degree/sec. or more with acquisition frame rate of 30 frames/sec. or more in 1k matrix with facility for dynamic display of subtracted images in 1024x2 matrix should be available. It should be possible to reconstruct 3D of aortic arch, LA etc for structural heart diseases from this rotational angiographic data".

Added as para H.3 Page 51 "Dedicated 3D workstation to be provided for 3D image processing for efficient workflow with display in control room and exam room."

Added para H.4 Page 51 "3D roadmapping should be available. It should be possible to have TAVI guidance based on this rotational angiographic data for TAVI procedures with landmark marking and overlay. TAVI guidance packages should be included."

<p>H. Cross sectional imaging</p>	<p>Philips</p> <p>Instead of mentioning Cross Sectional Imaging we request you specify the procedure to be performed so that I will not be vendor specific terminology</p>		

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				<p>Added para H.51 "DICOM workstations: Two number, with 500 GB HDD for image viewing and CD/DVD writing in consultation rooms away from cath lab connected to cath lab for online image transfer. CD/DVD archiving on these computers should be in addition to standard CD/DVD archiving on main system".</p> <p>PARA I.13 PAGE 511.</p> <p>HEMODYNAMIC AND EP STATION The following features should be available in the recorder</p> <ul style="list-style-type: none"> • 12 Lead ECG Amplifier with floating input • At least 4 pressures with floating inputs • Time and amplitude measurement with electronic calipers • Laser Printer with minimum 16 MB memory with minimum 1200 dpi <p>2. Storing of patient hemo data on hard disk and retrieval as and when required.</p> <p>3. 18" color wave form monitor with programmable layout and digital monitoring readout – Two</p> <p>4. SPO2, cardiac output, pressure gradient facility, NIBP should be available</p> <p>5. FFR measurement facility should be offered and is must and machine should be preferably compatible with OCT & IVUS</p> <p>6. 64 Channel Intra cardiac ECG for electrophysiological studies should be available. Separate system or Integrated solution may be offered.</p> <p>7. Stimulator and RF ablator</p> <p>8. ECG cable and pressure transducers</p>
4	Single plane cardiovascular catheterisation with digital subtraction angiography lab	To be added	<p>The following features should be available in the EP & Hemo recorder</p> <p>12 lead ECG Amplifier with floating input.</p> <p>Atleast 4 pressures with floating inputs, time and amplitude measurement with electronic calipers, laser printer with minimum 16MB memory with minimum 1200 dpi. Storing of patient hemo data on hard disk and retrieval as and when required, 18" colour wave form monitor with programmable layout and digital minitoring readout-two, SpO2, cardiac output, pressure gradient facility, NIBP should be available, FFR measurement facility should be offered, 64 channel Intra Cardiac ECG for electrophysiological studies should be available, stimulator and RF ablator, ECG cable and pressure transducer -4 each</p> <p>All radiation safety packages to be offered</p> <p>Angle and distance measurement facility should be available.</p> <p>CO2 imaging should be available</p> <p>Fluoro store should be available.</p>	NO CHANGE
	To be added	Philips	<p>The system to be quoted with automative bolus chasing software for better abdominal Intervention work.</p> <p>The FAC could not be opened within 45 days of handing over the sites. So kindly request you please hand to the same accordingly.</p>	NO CHANGE

		Philips	Since GST will be applicable from July 1st 2017 onwards. Request you to please look into this positively.	NO CHANGE
I. CT imaging		Philips	Instead of mentioning CT imaging we request you specify the procedure to be performed so that I will not be vendor specific terminology and vendor will quote the available software and hardware for their specs.	NO CHANGE
Para: I.1. Machine should have capability to acquire CT images of heart chambers and vessel using an angiographic system		Philips	CT imaging mainly required for pulmonary vein analysis by using EP Navigation technology. Hence please remove this and request you to mention EP Navigator with EP Rotational Angio for better visualisation of pulmonary vein in EP studies. Different techniques are being used by different vendor, we use EP Navigator and EP Rotational angio and M/s Siemens and GE performs this application by using rotational angio with CT like imaging. therefore please remove CT like images.	NO CHANGE

ADDED AS 1.14 PAGE 51

1. Foot switch for fluoroscopy and acquisition. 2. Ceiling suspended operation lamp.
3. Lead glass (150 x 100cm) (as per international radiation protection standard)
4. Radiation shield ceiling and table mounted/suspended. (as per international radiation protection standard)
5. High power contrast injector (floor/ceiling mounted) with 200 syringes.
6. Radiation protective apron (US FDA Approved; Lead-Free, light weight) of high quality with hangers: (Total quantity 20: Front type - 10, Wrap around - 6 and Two-piece type - 4). It should be state of art light weight with a lead equivalent of 0.5mm.
7. Two hanger stands to hold 5 apron each

Amended as "Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement."

AMMENDED AS "False ceiling: providing and fixed tile based AI ceiling"

		<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p> <p>Sensor based automatic system is not recommended for cath lab due to possibility of radiation leakage from the door joints.</p>	<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p> <p>Sensor based automatic door opening to avoid cross infection by hand or fomites in all the working areas</p>	<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p> <p>Sensor based automatic system is not recommended for cath lab due to possibility of radiation leakage from the door joints.</p>	<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p> <p>Sensor based automatic door opening to avoid cross infection by hand or fomites in all the working areas</p>
		<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p>		<p>Turnkey: Civil work: 5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement.</p>	

perforated AI ceiling shall lead to dust accumulation. Therefore it is not recommended for cath lab

<p>Turnkey: Civil work: 2.3. Lead partition of approx. 180x90 cm between control room side window to have lead glass approx. 115x80 cm the sliding door to have lead glass approx. 125x80 (two in number) and 70x80 cm (two in number).</p>	Siemens	<p>Request to create this specification. Too much lead glass is not recommended in main exam room except between control and exam room.</p>	NO CHANGE
<p>Examination room and console room 1. Wall paneling - glass wall paneling on the wall from 5' height above floor till ceiling height. Ceramic tiles/ high quality marble on wall upto 5' height from the floor up to the glass panel. Tile should be at least 2x2 or more in dimension and highest quality (grade 5)</p>	Siemens	<p>Point 1 and Point 3 under examination room and console room of tender specifications are contradictory. Kindly clarify</p>	NO CHANGE
<p>Examination room and console room : 3. Walls to be covered with highest quality tiles in its entire heights. Flooring work provide and fix highest quality vitrified tiles vitrified tiles (at least 2x2 or better, grade 5) / high quality marble.</p>			NO CHANGE
<p>Examination room and console room :7. Instrument trolleys, height adjustable operation chair, patient foot step, ergonomically designed chairs with wheels for control room personnel control room personnel wall counters for medications, consumables, anesthesia equipment and emergencies drug to be provided.</p>	Siemens	<p>7. Instrument trolleys, patient foot step, ergonomically designed chairs with wheels for control room personnel wall counters for medications, consumables, anesthesia equipment and emergencies drug to be provided. Kindly delete height adjustable operation chair as it is not recommended for cath lab</p>	NO CHANGE
<p>Turnkey: Examination room and console room The whole area should be water proof for safe and designed to prevent pest and rodents and kept functional all the time. Wall mounted clocks and room thermometers (wet and dry), pest repellent devices and fire extinguishers to be provided in all the rooms. The area should be properly designed to keep particularly the operating area and the electronic cabinet dust free and leakage free. As far as possible the floor should be free from encumbrances or ease of cleaning</p>	Siemens	<p>Request to mention the number of fire extinguisher required</p>	NO CHANGE
<p>Furniture: 3. Table top storage 15'x 2' 6"x2' preferable of metal modular design and highest quality for the examination room</p>	Siemens	<p>Kindly clarify the type of furniture required</p>	NO CHANGE

Date: 22-Mar-2017

Minutes of the Meeting of committee members duly constituted for the purpose of technical pre-bid meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 to be procured for the Six new AIIMS

Committee consisting of the following members for the purpose of technical pre-bid addressal meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 for department of Pulmonary Medicine for Six new AIIMS on 22nd March 2017 held at B-14A, Sec-62, Noida at HLL Lifecare Ltd.

- 1- Dr. Prasanta Raghav Mohapatra, Professor (Pulmonary Medicine), AIIMS Bhubaneswar
- 2- Dr. Ajoy Kumar Behera , Associate Professor (Pulmonary Medicine), AIIMS Raipur

The committee attended the pre-bid meeting, listen representation of the probable bidders and addressed the same also looked into the representations received by email & hard copies from prospective bidders till date 22nd March 2017 by 5:00 P.M and recommended necessary changes/amendments to all items except ventilator due to more than 5 vendors demanded the specification is specifically meant for particular manufacturer, major changes required. After detailed deliberation with PSA (HLL lifecare Ltd) it was decided to adopt the latest approved order in process may be procured under tolerance for the Department of Pulmonary Medicine.

AIIMS-II-26 Prebid-Representations for the Deptt of Pulmonary medicine (Pre-Bid date: 22.03.2016)

Tender Ref : HLL/PCD/PMSSY/AIIMS-II/26/16-17 dated 08.03.2017

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
	7	BIPAP Machine	Should have fixed backup rate of 10 breaths/minutes	Aprameya Engineering (Philips)	Requesting to delete the point as it is company specific	accepted
			Channel diameter should be 2.8mm or more	Karl Storz	Change to 2.5 mm or less	No change
	8	Fibre Optic Bronchoscope	Field of view should be 120 degree or more	Eeagle medical	Field of view should be 110- 120 degree or more	No change
			Total length should be 890 mm or more	Eeagle medical	Total length should be 850 - 890 mm or more	Total length should be 850 - 900 mm or more
			Working length should be 600 mm or more	Karl Storz	Change to 550 mm or more	No change
			1. ECG using 3 & 5 leads (both option)	Instromedix India	It should be Modular patient monitor with measuring ECG into 3 & 5 leads(both option)	No change
			6. Facility to upgrade to end tidal CO2(price to be quoted separately for the whole function unit as optional)	Instromedix India	It should have EtCO2 module & it should be amended	accepted
			7. Should have facility for storing and displaying the above parameters for minimum 48 hrs both tabular & graphic display 8	Philips	Since there is no Central Station that will be collecting the data from these monitors, in case of a prolonged ICU stay of any patient, there will not be any data saved for the patient past 48 hours, therefore, the data storage for the patient should be minimum 200 hours so that the data continuum should be maintained.	No change
				Instromedix India	Should have Advanced arrythemia detection for atleast 24 arrythemia & should be amended	No change
				Medion Healthcare Pvt. Ltd.	For better visibility we suggest to change from 10" to 15" TFT Screen as when upgrading the monitor in future to EtCO2 & other parameters, bigger screen size is more convenient to use. - 10" TFT displays have now become obsolete & old technology. The basic most Patient Monitor available is also 12.1" TFT Display.	accepted, minimum of 12 inch or more touch screen high resolution color screen display

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
			8. Should have minimum of 10 TFT screen high resolution color screen display	Philips	This procurement will be for 6 AIIMS and therefore, the monitors should be of the utmost premium category. Looking at the past few tenders from AIIMS, at-least 15" monitors are being procured, even for wards. Therefore it is our suggestion that the screen size may be amended to 15" minimum.	similar as above
				Instromedix India	It should be Touchscreen & all the data should be accessed by Touchscreen & rotary knob & should be amended	similar as above
				Schiller India	Screen size of 12 inch would give easy visualisation if the monitor is upgraded to ETCO2. As ETCO2 is demanded as an optional upgrade.	similar as above
		Multipara monitor	15. Should have in built battery back up facility for at least 2 hrs	Philips	in case of prolonged power failure/transportation of the patients, having a large battery(at-least 4 hours) will help with extensive monitoring and lengthy transportation of a patient. The battery asked should be Li-ion and not lead acid as disposing a lead acid battery harms the environment.	accepted
			16. The power on-off switch be on side panel (Not at the back)	Medion Healthcare Pvt. Ltd.	This point is just cosmetic spec & not ideally useful. Different companies based on their product design may have power on-off switch places at the side or at the back or even at the front. Most convenient would be at the front. Kindly delete this point.	No change
			19. US FDA /CE (European) Approved	Philips	Every equipment that is USFDA Approved, undergoes various checks and quality tests, ensuring that the equipment will be of the best quality and durability, providing the most accurate patient parameters. Therefore, it is our suggestion that the monitors should be USFDA approved.	No change

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
			20. Firm should quote the price of unit which is inclusive of all accessories i.e including those listed below	Philips	The accessories asked with each of the monitors, like 10 ECG cables, 10 SPO2 connecting cables, 10 SPO2 sensors etc. are quite huge in quantity and therefore will add additional, unnecessary costs to the cost of the monitor. Therefore, the total quantity of all the accessories asked in the monitor may please be looked into.	No change
			Additional to be included	Philips	To be incorporated: The Monitor should operate through Touchscreen and Trim Knob This feature is needed because even if one of the input methods fail, there is a backup input device in place.	No change
			Additional to be included	Philips	To be incorporated: The monitors should have 12 lead ST Segment analysis & Advanced Arrhythmia analysis as standard These monitors will be used in an ICU and therefore, will monitor critically ill patients, having ST segment and Advance Arrhythmia analysis will ensure that the complications in a patient's health will be detected early.	accepted
2			Para: 1 -Polysomnography (PSG) system (2.nos) that records and displays the physiological parameters with at least 36 or more channels. As 36 channels are adequate to comply with AASM guideline, so the requirement is fulfilled with 36 channels also.	Biomedicon Services (I) Pvt. Ltd. (Nihon kohden)	Polysomnography (PSG) system (2.nos) that records and displays the physiological parameters with at least 36 or more channels. As 36 channels are adequate to comply with AASM guideline, so the requirement is fulfilled with 36 channels also.	1.nos, rest no change
				Rohanika	Polysomnography (PSG) system (2.nos) that records and displays the physiological parameters with at least 48 channels	same as above
			Apnea hypopnea index (AHI) and respiratory disturbance index (RDI) should be available during acquisition of date	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Apnea hypopnea index (AHI) and respiratory disturbance index (RDI) should be available during acquisition of date in the report	Apnea hypopnea index (AHI) and respiratory disturbance index (RDI) should be available during acquisition of data/report

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
		Polysomnography (PSG) system for sleep disorders study	Should have LAN (local area network) interface for data communication to the computer	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Should have LAN (local area network) <u>wireless</u> interface for data communication to the computer	LAN/Wireless
			Manufacturer should have a local office with complete technical support and application backup	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Manufacturer should have a local office/ <u>person</u> with complete technical support and application backup	accepted
3			Para: 8 - Actimeter	Biomedicon Services (I) Pvt. Ltd. (Nihon kohden)	Our request is to remove the point as this is only available with limited manufacturers.	accepted
4			Para: 3 - Should have additional eight DC channels for external peripherals.	Biomedicon Services (I) Pvt. Ltd. (Nihon kohden)	Should have additional two or more DC channels for external peripherals. As these are more than enough.	No change
				ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Should have additional eight DC channels for external peripherals	No change
5			Should be provided preferably with a composite integrated universal titration device having capability of titrating OSA, overlap syndrome (OSA + COPD), OHS (Obesity hypo-ventilation syndrome) and CSR (Cheyne-strokes respiration) patients	Aprameya Engineering (Philips)	Request to delete the word preferably, as a level 1 sleep lab will necessary require a titration device for treated OSA and other related sleep disorders as per the guidelines.	No change
			Computer should have following specification:-	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Computer should have following specification:-	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
	11	Polysomnography (PSG) system for sleep disorders study	Intel core 2 duo processor	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	Intel core 2 duo processor	Latest Intel processor
			4 GB RAM,22" TFT monitor.	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	4 GB RAM,22" TFT monitor.	4 GB RAM,21" or bigger monitor.
			2x500 GB HDD, DVD R/W, mouse	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	2x500 GB HDD, DVD R/W, mouse	2TB HDD,DVD R/W, mouse
			HP laser jet colour printer	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	HP laser jet colour printer	HP laser colour printer
			1 KVA UPS	ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	1 KVA UPS	No change
				ROHANIKA ELECTRONICS & MEDICAL SYSTEMS	One laptop computer	accepted

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
6		Polysomnography (PSG) system for sleep disorders study	To be included	Aprameya Engineering (Philips)	Requesting to add US FDA certification clause	accepted
7			To be included	Aprameya Engineering (Philips)	<p>We would like to request to add the specification of Titration devices as Level 1 sleep lab should have range of titration devices to treat the different types of Sleep disorders.</p> <p>Specification of Titration device:</p> <p>1. Modes: CPAP, Auto CPAP, S, Auto Bi-level, S/T, T, PC, AutoSV, AVAPS-AE.</p> <p>2. Weight Approximately: less than 2.5 kg</p> <p>3. Altitude compensation: Automatic</p> <p>4. Pressure ranges</p> <p>a) CPAP : 4 – 20 cm H2O</p> <p>b) Auto CPAP : 4 – 20 cm H2O</p> <p>c) S Mode : EPAP 4 – 25 cm H2O, IPAP: 4 – 30 cm H2O</p> <p>d) Auto Bi-level : EPAP 4 – 25 cm H2O, IPAP 4 – 25 cm H2O</p> <p>e) S/T, T, PC : EPAP: 4 – 25 cm H2O, IPAP : 4 – 30 cm H2O</p> <p>f) AutoSV : EPAP: 4 – 30 cm H2O, Pressure Support: 0 – 26 cm H2O</p> <p>g) AVAPS-AE : 4 – 30 cm H2O, Pressure Support 2 – 26 cm H2O</p> <p>5. It should have integrated Humidifier</p>	No change
8			<p>Para: 15 - Installation list of at least 20 Indian site is required with satisfactory certificate from at least two users.</p>	<p>ROHANIKA ELECTRONICS & MEDICAL SYSTEMS</p> <p>Biomedicon Services (I) Pvt. Ltd. (Nihon kohden)</p>	<p>Installation list of at least 20/ 3 Indian site is required with satisfactory certificate from at least two users</p> <p>Delete the point , as this has already been asked in, tender prequalification requirement.</p>	<p>at least 3 Govt institution in past 2 years</p> <p>as above</p>

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
9			Should have facility for pressure regulator leakage testing through inbuilt pump of light source.	Pentax Medical	Pressure regulator leakage testing should be asked separately	clause deleted
			Scope should have at least four user programmable remote switches to improve operability.	Eagle Medical Systems	High definition processor should be provided. Should have separate pressure leakage pump.	accepted
				Karl Storz	Kindly remove this point or change it to "Should have facility for pressure regulator leakage testing".	as above
			Should have facility for enhanced image visibility through Narrow band Imaging/i-scan facility	Karl Storz	Scope should have at least three user programmable remote switches to improve operability	accepted
				Karl Storz	Kindly remove this point from the specification	accepted
10			Should be compatible with laser and Electrocutery (cutting and coagulation).	Pentax Medical	NBI/ISCAN is part of video processor, its not available in flexible scope as stand alone	accepted
				Karl Storz	Kindly remove this point from the specification	No change
11			It should be compatible with light source and processor of semirigid thoracoscope so that both can be used with same light source and processor.	Pentax Medical	compatible point should be deleted and stand alone HD processor with 150 watts Xenon light source should be asked.	accepted as 150 watt or more
				Karl Storz	Kindly remove this point from the specification	No change
			Should have scope ID function	Karl Storz	Kindly remove this point from the specification	accepted
				Pentax Medical	It should be 6.4 mm or less	No change
12			Field of view : 120 deg or more	Eagle Medical Systems	Field of view 110-120 deg	No change
				Eagle Medical Systems	Channel inner diameter : 3.0 mm or more	No change
					Channel inner diameter: 2- 3.0 mm or more	No change \rightarrow 2.8 mm \rightarrow 2.8 mm dn more

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
	12	Bronchovideo scope	Technical:- Field of view : 120 deg or more Direction of view degree, forward viewing : 0 Depth of field : 3 to 100 min or better Distal end outer diameter : 6.0 mm or less Innsertion tube outer diameter : 6.0mm or less Tip bending length : Up 180 deg, Dn 130 deg.Or better Working length : 600 mm or more. Channel inner diameter : 3.0 mm or more Minimum visible distance : 3mm or closer from distal end Prices of all accessories as mentioned before should be included within the quoted price	Karl Storz	Kindly amend following as: Depth of field : 3 to 50 min or better Distal end outer diameter : 6.2 mm or less Innsertion tube outer diameter : 6.2mm or less Tip bending length : Dn 100 deg.Or better Channel inner diameter : 2.3 mm or more Minimum visible distance : 3mm or closer from distal end Prices of all accessories as mentioned before should be included within the quoted price	No change
				Karl Storz	Please note that the specification for Processing Unit, Light Source Xenon 100Watt or more, Monitor 19" or more & Video Trolley is missing from the specifaicon therefore we hereby request you to kindly add the same to complete the specification. You may also add 1.5KVA UPS with minimum 30min back up time for continuous power supply.	
				Karl Storz	We herewith enclosed the standard specification for said items for your ready reference with CMOS technology too which may be consider due to the fact that it is latest technology.	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
13			Channel inner diameter : 3.0 mm or more	Pentax Medical	Its less than 3.0mm, it can not be 3.0 mm or more	Channel inner diameter : 2.8 mm or more
14				CL Micromed	Para: 2 - Essential Measured parameters; pH, pCO ₂ , pO ₂ , tHb, Lactates, Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ . All these parameters should be measured simultaneously.	only delete BUN, hematocrit
15		Blood Gas Analyser (ABG Machine)		A.G. Medical Systems	With the exception of few manufacturers, not many analyzers provides Blood Urea and Bilirubin parameter concurrently. Therefore in order to ensure a free and fair process, we will request you to remove BUN from the specification.	as above
16			Para: 2 - Essential Measured parameters; pH, pCO ₂ , pO ₂ , SaO₂ with co-oximetry , tHb, Hemotocrit Lactates, Na ⁺ , K ⁺ , Ca ⁺⁺ , BUN , Cl ⁻ . All these parameters should be measured simultaneously.	E.M technologies	You are requested to remove BUN parameter, since the same is company specific provided by Roche Diagnostics and Nova Biomedical. Requested to amend spec as BUN/Bilirubin parameter or remove BUN parameter to encourage more participants in the tender.	as above
17				Siemens	Requested to remove BUN for wider participation	as above
18				DHR Holding India Private Limited (for Radiometer medicals)	We request you to kindly remove BUN & mention Hemotocrit under Calculated Parameters. BUN parameter is present with only single manufacture, as it doesn't have any strong significantly clinical correlation function. Removal of BUN parameter will allow many manufacturers to participate. Hemotocrit should be mentioned in the Calculated Parameters.	as above
19			Para: 3 Calculated parameters should include BE, BE ecf, HCO ₃ , Anion Gap etc.	CL Micromed	Para: 3 Calculated parameters should include BE, BE ecf, HCO ₃ , Hct, SO₂ , Anion Gap etc.	No change
20				CL Micromed	Para: 4 Sample volume-less than 150 micro litre .	accepted

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
21	14	Blood Gas Analyser (ABG Machine)	Para: 4 Sample volume-less than 100 micro litre.	DHR Holding India Private Limited (for Radiometer medicals)	We request you to please amend it to "Sample size not more than 150 micro liters".	as above
22			Para: 6 -Maintenance free electrodes with individual electrodes ON/OFF facility.	CL Micromed	Para: 6 -Maintenance free/low maintenance electrodes with individual electrodes ON/OFF facility.	No change
23			Para: 6 -Maintenance free electrodes with individual electrodes ON/OFF facility.	DHR Holding India Private Limited (for Radiometer medicals)	We request you to please amend it to "Maintenance free electrodes with individual electrodes ON/OFF facility with shelf life not less than 5 year".	No change
24			Para: 8 Continuous reagent level monitoring with graphic display.	CL Micromed	Para: 8 Continuous reagent level monitoring should be there/alarm	No change
25			Para: 10 Data print out on built in graphic printer.	CL Micromed	Para: 10 Data print out on built in printer.	thermal printer
26	14	Blood Gas Analyser (ABG Machine)	Para: 10 Data print out on built in graphic printer.	DHR Holding India Private Limited (for Radiometer medicals)	We request you to please amend "Printer : In-built with preferably thermal paper". As of now most of the manufacturer of Blood Gas Analyzer have in built printer for Thermal paper as stability of Thermal paper is more & stability of printed results will be more.	as above
27			Para: 11 Built in auto Quality control facility	CL Micromed	Para: 11 Quality control facility should be there.	No change
28			Para: 18 It must be UF-FDA /CE (Conformité Européenne)-approved	DHR Holding India Private Limited (for Radiometer medicals)	We request you to please amend "It must be US-FDA & CE (Conformité Européenne) approved". As these equipments are used in critical patients so the system must be USFDA approved. As once USFDA is given for any product the FDA organization keeps on monitor equipments continuously to ensure safe working of machine.	No change
		Blood Gas				

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
29		Analyser (ABG Machine)	Additional	DHR Holding India Private Limited (for Radiometer medicals)	Instrument should be reagent based. As in case of Cartridge based system Cost per test remain same in spite of increase in workload, while in reagent based system gives vice versa once workload increases in terms of no of test the Cost per test decreases accordingly.	No change
30				E.M technologies	The analyzers are being purchased for AIIMS set-up, we request to include co-oximeter parameters which are of high importance in critical care.	No change
31		Ventilator		Philips	A 10" screen will not be able to display all the required information properly, a larger, 12" screen size will be able to display the required loops/waves and other numerical information with ease. The trending should also be removed to allow more participants in the tender	
32		Ventilator	Should be microprocessor based ventilator for use in adults. It should have in built turbine system. It should have color in built touch screen at least 10 inch or more with screen lock and prioritized alarms. Breath to breath graphics pressure, volume and flow loops to be stored in the memory with feasibility of trend analysis over 24 hours.	Dreager	"Should be microprocessor based ventilator for use in adults. It should have in graphics pressure, volume and flow loops to be stored in the memory with feasibility of trend analysis over 24 built turbine system. It should have color in built touch screen at least 12 inch or more with screen lock and prioritized alarms. Breath to breath graphics pressure, volume and flow loops to be stored in the memory with feasibility of trend analysis over 24 hours." Justification: This will upgrade the quality standards of the complete ventilator system and also at least this much screen size is required to see waveforms, loops & all measured data.	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
33				Schiller Healthcare (Tecme)	Should be microprocessor based ventilator for use in adults. It should be external air compressor based system because if turbine fails to work whole ventilator stop working whereas if external compressor fails to work , ventilation does not stop. It will work on 100 % oxygen. External Air compressor has low maintenance cost as compare to turbine. It should have color in built touch screen at least 12 inch or more with schreen lock and prioritized alarms. Breath to breath graphics pressure, volume and flow loops to be stored in the memory with feasibility of trend analysis over 72 hours.	at least 5 vendors demanded the specification is specifically meant for particular manufacturer, major changes required. Recommended for major changes
			It should have in built turbine system.	Medion Healthcare Pvt. Ltd.	Asked Ventilator is with inbuilt turbine, we request you to change this to Compressor based systems as these ventilators are going in AIIMS where already they should be central Pipeline System, so there is no need of turbine power. - Turbine Powered systems are less versatile and not suitable for long term use versus compressor based systems which are usually designed for long term use. - Turbine powered systems have lower life versus compressor based systems.	
				Schiller Healthcare (Tecme)	Combined ventilation - SIMV (PC) + PS (synchronized intermitted mandatory ventilation based on volume controlled ventilation with pressure support - SIMV (PC) + PS - PRVC (pressure regulated volume control - SIMV (PRVC) + PS - NIV ventilation with mask should have any of the advanced mode like ASV/ PAV/ PPS/ MMV/ NAVA / Smart care	
34			C. Combined ventilation - SIMV (PC) + PS (synchronized intermitted mandatory ventilation based on volume controlled ventilation with pressure support - SIMV/DC)			

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
35		Ventilator	PS - PRVC (pressure regulated volume control - SIMV (PRVC) + PS - NIV ventilation with mask - Should have the facility for following settings	Dreager	<p>"SIMV (VC) + PS (synchronized intermittent mandatory ventilation based on Volume controlled ventilation with Pressure)"</p> <p>Justification: It is a manual mistake.</p> <p>Request to amend as "PRVC (pressure regulated volume control) or equivalent. Justification: different companies have different names for same technology. So, this will allow wider participation.</p>	
36				Air Liquide Medical System	Tidal volume 20-2000ml	
37			Tidal volume 50-2000ml	Hamilton	Tidal volume 20-2000ml	
				Medtronic (Covidien)	Tidal volume 25-2500ml	
			Peep 0 to 40 cmH2O	Hamilton	should be able to treat almost all one range of patients Pediatric to adult.	
38			Trigger : Flow / Pressure Trigger	Medtronic (Covidien)	Peep 0 to 35 cmH2O or better	
39			Respiratory rate upto 100bpm	Dreager	Trigger should be of both kind flow and pressure	
					Institutes would have patients of all types so triggering should not be restricted to only one form only it should be both flow and pressure.	
					Request to amend as "Respiratory rate upto 80 bpm"	
					Justification: This will allow wider participation.	
40			Pressure support upto 40cm H2O	Hamilton	Upto 80 bpm or better	
				Air Liquide Medical System	Pressure support upto 35 cm H2O	
41			Should have heated humidifier	Dreager	Request to amend as Should have heated limb humidifier with servo regulation of humidity."	
					Justification: This is required so as to maintain a good quality .	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
42		Ventilator		Dreager	Request to amend as "Should have inspiratory synchronized pneumatic nebulizer." Justification: This will upgrade the quality standards of the complete ventilator system.	
43			Should have programmable in-built nebulizer	Medtronic (Covidien)	Should have programmable in-line ultrasonic nebulizer, it should not be a flow based nebulizer. Nebuliser should be an ultrasonic nebulizer which can break the drug particles into less than 3 microns so that all will be absorbed by alveoli	
44	15			Phillips	Since these ventilators will be used on patients inside an ICU, the monitors there will already have ETCO ₂ , therefore, additional parameter of ETCO ₂ will not be needed in a ventilator. This, in-turn will increase the cost of the ventilator. Therefore, this feature may please be removed.	
45			Should be able to monitor and measure following parameters Respiratory rate total & spontaneous; peak airway pressure mean airway pressure, peep, plateau; tidal volume inspiratory and expiratory : minute volume: Fio ₂ :RR/VT,ETCO ₂ monitoring (optional)	Schiller Healthcare (Tecme)	Should be able to monitor and measure following parameters Respiratory rate total & spontaneous; peak airway pressure mean airway pressure, peep, plateau: tidal volume inspiratory and expiratory : minute volume: Fio ₂ :RR/VT. Our suggestion is to remove ETCO ₂ monitoring (optional) as this feature must be available in all ICU monitors. It will increase the additional cost. Or allow to quote external etco ₂ monitor (stand alone monitor). Or Else please make the Volumetric etco ₂ (VA , VtCo ₂ , VD/Vt dead space calculations) as a standard scope of supply.	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
46		Ventilator		Schiller Healthcare (Tecme)	Every ventilator should be external air compressor based system because if turbine fails to work whole ventilator stop working whereas if external compressor fails to work , ventilation does not stop. It will work on 100 % oxygen. External Air compressor has low maintenance cost as compare to turbine.	
47			Every ventilator should have in-built turbine system	Medtronic (Covidien)	It should be compressed based system able to utilise hospital's gas airline. Turbine technology is for short term ventilation as turbine can not operate for long hrs. and can not suffice the need of critically ill patients. Maintenance cost is high for turbine and could bereason for cross infections as turbine has to suck air from same already infected atmosphere (ICU)	
48				Air Liquide Medical System	Should have in-built turbine/compressor system	
49				Philips	In case of intra-hospital transportation between departments and even in case of power failure, a large battery capacity of a ventilator will always be helpful for the institute. Therefore, we request you to ask for a larger battery capacity of the ventilator	
			Should have in-built rechargeable battery with backup of at least 2 hours	Hamilton	More than 3 hrs It should be 1 hr.	
50				Medtronic (Covidien)	Every modern ICU have power back up available in their ICU'S specially institutions like AllIMS, adding 2 hrs. battery back to system making it bulky and expensive	
51				Schiller Healthcare (Tecme)	Our suggestion is to make inbuilt single screen size of 12" for better viewing of all set & monitored parameters form a long distance.	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
52		Ventilator	Monitor At least 10" size color single device user interface with touch TFT screen. It should be possible to display at least three types of waveform & Loop of each breath	Medtronic (Covidien) Hamilton Medion Healthcare Pvt. Ltd.	Monitor should be of atleast 15" with touch TFT screen All big manufactureres are having screen size of 15" as it will make the medical and paramedical staff handle and understand the critical parameters far from distance. ventilator should display atleast 2 types of waveform and loop For better visibility we suggest to change from 10" to 15" screen as most new technology ventilators are more advance & come with 12" or 15" display. - Moreover display of parameters + 3 waveforms as well as loops 10" screen size is too small & would not have clear visibility.	
53			Monitor: c. 24 hours trend display of up to 24 parameter	Dreager	Request to amend as "At least 12" size color single device user interface with touch TFT screen. It should be possible to display at least three types of waveform & Loop of each breath." Justification: This will upgrade the quality standards of the complete ventilator system and also at least this much screen size is required to see waveforms, loops & all measured data.	
54			Monitor: c. 24 hours trend display of up to 24 parameter	Schiller Healthcare (Tecme)	Our suggestion is make minimum trend display of up to 72 hrs for all monitored parametrs.	
55			F screen should display following loops: i. Volume – pressure ii. pressure – Volume	Air Liquide Medical System	F screen should display following loops: i. Volume – pressure to Volume -Flow Add Flow - pressure	

Sl. No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
56			Scope of supply per ventilator: 5 Nebulizer - 50 nos	Medtronic (Covidien)	With ultrasonic nebulizer the nebulizer kit should be one reusable kit with all accessories as consumable on regular basis is always an ask in govt. institution.	
57			to be added	Schiller Healthcare (Tecme)	Our Suggestion to add Respiratory mechanics : AUTO PEEP, P0.1, compliance, Resistance, slow vital capacity, LIP & UIP measurements, NIF, RSBI, time constant, Trapped volume etc. These parametrs are very useful in patient weening	
58		Ventilator	to be added	Schiller Healthcare (Tecme)	Certification - Ventilator should be US FDA & CE approved.	
59			to be added	Dreager	Request to add "The equipment including Ventilator unit, imported trolley, hinged arm and compressor should be US-FDA and European CE approved." Justification: This will upgrade the quality standards of the complete ventilator system and also the after sales services.	
60			to be added	Air Liquide Medical System	Request to add the certification i.e european CE (EUCE) or USFDA	
61			to be added	Dreager	o Reusable autoclavable expiratory valve - 2 No.s o 20 Nos Expiratory valves for use with serious infectious patients should also be offered Justification: Enhances the patient health & safety . This is now international practice also.	
			to be added	Hamilton	Ventilator should be USFDA and European CE approved	
			to be added	Hamilton	Flow rate: Minimum 200 LPM or better	

Date: 22-Mar-2017

Minutes of the Meeting of committee members duly constituted for the purpose of technical pre-bid meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 to be procured for the Six new AIIMS

Committee consisting of the following members for the purpose of technical pre-bid addressal meeting of Tender Ref: HLL/PCD/PMSSY/AIIMS-II/26/16-17 for department of Urology for Six new AIIMS on 22nd March 2017 held at B-14A, Sec-62, Noida at HLL Lifecare Ltd.

- 1- Dr. Prasant Nayak, Associate Professor (Urology), AIIMS Bhubaneswar
- 2- Dr. Gautam Ram Chaudhary, Assistant Professor (Urology), AIIMS Jodhpur

The committee attended the pre-bid meeting, listen representation of the probable bidders and addressed the same also looked into the representations received by email & hard copies from prospective bidders till date 22nd March 2017 by 5:00 P.M and recommended necessary changes/amendments for all tendered items except below 02 items, these items required major changes in specification. The justification given below which necessitate to change tendered specification with new specification for respective items.

1. Item S/No. 20: Holmium Lasers 100W: **Justification** – 120W Holmium Laser is the latest high-wattage Laser system with higher frequency capabilities that allow for more effective Stone/ tissue management.

2. Item S/No. 21: Laparoscopic Unit: **Justification** – 3D Laproscopy is the latest and most advance imaging system with better visualization, depth perception, ease of intra-corporal knotting and a lower learning curve for trainee urologist.

AIIMS-II-26 Prebid-Representations for the Deptt of Urology (Pre-Bid date: 22.03.2016)

Tender Ref : HLL/PCD/PMSSY/AIIMS-II/26/16-17 dated 08.03.2017

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
1				Vishal Surgical (KLS martin)	The system should have User Friendly Large LCD Screen / Touch Screen for Diagonal for monopolar, bipolar and Vessel sealing technology, with auto LCD Backlight adjustment for good visibility in operating room.	
2			2. The System should have user friendly 3 independent LCD touch screen (of at least 5.7 inches diagonally) display for monopolar, bipolar and Vessel sealing technology, with auto LCD Backlight adjustment for good visibility in operating room	Erbe	The System should have user friendly 3 independent LCD touch screen (of at least 5.7 inches diagonally) display/single touch screen with TFT Display & Key Pad Feather Touch Controls for monopolar, bipolar and Vessel sealing technology, with auto LCD Backlight adjustment for good visibility in operating room.	Amended as "The System should have user friendly 3 independent/Integrated LCD Touch Screen/TFT Feather touch screen (of at least 5.7 inches diagonally) display for monopolar, bipolar and Vessel sealing technology, with auto LCD Backlight adjustment for good visibility in operating roomCommittee Decision"
3				Alan Electronics	(No need for 3 independent displays, all advance features are available in Single display)	
4				Vishal Surgical (KLS martin)	It is proprietary one specific company. It should be LCD touch screen with 7" display and all para. The system should deliver power according to tissue impedance to get desired surgical effect on various tissue types.	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
5			4. The equipment should incorporate tissue sensing technology at least 3333 decisions per second on real time basis and it should have the technology to convert electrical energy to radiofrequency energy thus providing radiofrequency seal. It should also identify the tissue impedance and adjust power accordingly to get the desired surgical effect on various tissue types	Erbe	<p>The equipment should incorporate tissue sensing technology at least 3333 decisions per second /or power peak system on real time basis and it should have the technology to convert electrical energy to radiofrequency energy thus providing radiofrequency seal. It should also identify the tissue impedance and adjust power accordingly to get the desired surgical effect on various tissue types.</p> <p>The equipment should incorporate tissue sensing technology at least 3333 decisions per second is provided by only one company. Also there is no feature to check this 3333 decisions per second. With Erbe, Power peak system is available to check the actual power being delivered to the tissue through power bar graph on real time basis.</p>	Amended as "The equipment should incorporate tissue sensing/ tissue feedback technology on real time basis and it should have the technology to convert electrical energy to radiofrequency energy thus providing radiofrequency seal. It should also identify the tissue impedance and adjust power accordingly to get the desired surgical effect on various tissue types"
6				Alan Electronics	As 3333 is specific to one particular company. So should be take decision in 4 sec.	
7			6. The Performance Efficiency Rating (PER) should be between 95-99 in different modes	Vishal Surgical (KLS martin)	Its Company Specific and Should be deleted	Para deleted
8			8. High frequency leakage (RF) should be less than 100mA in monopolar and vessel sealing mode and less than 60mA in bipolar mode.	Alan Electronics	As per IEC guidelines High frequency leakage (RF) should be less than 150 mA in monopolar and vessel sealing mode and less than 65 mA in bipolar mode.	
9				Erbe	<p>NO Company can show these things on Machines Printed only on 1 Company Brochures</p> <p>USFDA Clearance Certification depends on the following Criteria . Erbe Can Show the mentioned values on Analyser testing only</p>	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
10				Vishal Surgical (KLS martin)	The system should have RS232 / USB / Ethernet Port or any other computer connectivity for on field software downloads upgrades and serviceability.	
11			9. The system should have RS232, USB, Ethernet port or any other computer connectivity for on field software downloads upgrades and serviceability.	Erbe	The system should have RS232, USB, Ethernet / ECB (Erbe Communication Bus) port or any other computer connectivity for on field software downloads upgrades and serviceability. To upgrade and update the software downloads, ECB port is available on the back side of the ERBE machine.	No Change
12				Alan Electronics	It can be provided but system should be upgraded. And again calibration should be done which is only possible.	
13			11. The system should be upgradable or should have bipolar resection (underwater cutting)	Suggestion by Technical Expert		Amended as "The system should have bipolar resection (underwater cutting)"
14				Vishal Surgical (KLS martin)	The system should be compatible with Argon / Da Vinci robotic systems.	
15			12. The system should be compatible with Argon, CUSA & Da Vinci robotic systems	Erbe	The system should be compatible with Argon, CUSA/ Waterjet (Hydrojet Technology) & Da Vinci robotic systems. Erbe Machines can be Compatible with all mentioned System except CUSA but Erbe has Waterjet based on Hydro jet Technology much better than CUSA which can be compatible with Erbe Machine it is for Robotic Surgery OR One Specific Company	Amended as "The system should be compatible with Argon, CUSA/ Waterjet (Hydrojet Technology) & Da Vinci robotic systems."
16				Alan Electronics		
17			13. Should have both foot and hand control mode for open as well as laparoscopy.	Vishal Surgical (KLS martin)	Should have both Foot and Hand control for open and Foot Control Mode for Laparoscope	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
18				Vishal Surgical (KLS martin)	Disposable - 10 Nos. or Reusable - 01 No. sufficient for more than 200 surgeries	
19			15. Should be supplied with following accessories: a. Disposable 10mm & 5mm Lap. Vessel Sealing & Dividing Instrument - 10 each	Erbe	Disposable 10mm / 5mm Lap. Vessel Sealing & Dividing Instrument - 10 Nos (Erbe do not have 10 mm dia Vessel Sealing Instrument, As Nowadays All Surgery are based on Minimal Invasive Technique where the Smaller diameter Hand Instruments , 5 mm are generally used which can be passed thru 5 mm Port No Company Provides 10 mm dia Instruments & Ports except only 1 Particular Company Covidien.)	Amended as "Should be supplied with following accessories: a. 10mm/5mm Lap. Vessel Sealing & Dividing Instrument - 20 nos disposable or 2 nos. reusable instruments with/without disposable electrodes (50 nos. if required)"
20	16	ADVANCED ELECTRO SURGICAL UNIT WITH VESSEL SEALING	15. b. Reusable open surgery vascular sealer - 02 with their Disposable electrodes - 50 No's	Erbe	Reusable open surgery vascular sealer - 02 / with their Disposable electrodes - 50 No's (Erbe do not have 10 mm dia Vessel Sealing Instrument, As Nowadays All Surgery are based on Minimal Invasive Technique where the Smaller diameter Hand Instruments , 5 mm are generally used which can be passed thru 5 mm Port No Company Provides 10 mm dia Instruments & Ports except only 1 Particular Company Covidien.)	Amended as "Should be supplied with following accessories: a. Open Vessel Sealing & Dividing Instrument - 20 nos disposable or 2 nos. reusable instruments with/without disposable electrodes (50 nos. if required)"
21			15. c. Disposable open surgery vascular sealing instrument - 10 No's	Vishal Surgical (KLS martin)	Disposable - 10 Nos. or Reusable - 01 No. sufficient for more than 300 surgeries	Deleted
22				Vishal Surgical (KLS martin)	Two Button Monopolar Hand Switching Pencil - 100 Nos.	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
23			15.d. Three Button Pencil with power control at sterile zone - 100 No's	Erbe	Three Button/ Two Button Pencil with power control at sterile zone - 100 No's Erbe do not have Three Button Pencil so will Provide Two Button Pencil with Power Control from Sterile zone via 2 Pedal footswitch Toggle Button	Amended as "Two button Pencil with power control at sterile zone - 100 nos."
24			16. Patient plate - 200 no's	Erbe	Pls specify Disposable or Reusable Erbe has both the Reusable & Disposable Options	Amended as "Disposable patient plates - 200 nos"
25			Monopolar and Bipolar 4. It should have minimum two Coagulation modes with maximum power of 120 W	Erbe	It should have minimum two Coagulation modes with maximum power of 120-200 W Erbe Machine has the Power upto 200W for Coagulation Mode better Safety & reliable Coagulation.	Amended as " It should have minimum two Coagulation modes with power of 120 W or more "
26			4.a. Fulgurate mode for efficient non-contact coagulation in most applications	Erbe	a. Fulgurate/Forced mode for efficient non-contact coagulation in most applications Fulgurate Mode Specific to 1 Company Covidien in Erbe we have Forced Mode in place of mentioned Fulgurate.	Amended as "Fulgurate/Forced mode for efficient non-contact coagulation in most applications."
27			Monopolar and Bipolar: 5. It should have minimum 3 bipolar modes with maximum power of 95W	Vishal Surgical (KLS martin)	It should have minimum 6 Bipolar Modes with Maximum power of 120W	Amended as "It should have minimum 3 bipolar modes with power of 95W or more"
28				Erbe	It should have minimum 3 bipolar modes with maximum power of 95W-200 W Maximum available power with Erbe Machine is 200.	
29			6. Standard, Low & Macro	Erbe	Standard/ Soft Coag with Autostop, Low/Soft Coag & Macro/Forced Coag effects. Maximum available power with Erbe Machine is 200.	Deleted
30				Vishal Surgical (KLS martin)	Vessel sealing system should be of minimum 150-300W with bar control power setting facility	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
31		Vessel Sealer: 1. Vessel sealing system should be of minimum 150-200W with bar control power setting facility	Erbe	Vessel sealing system should be of minimum 150-200W with bar control power setting facility/or with different effect settings In Erbe Machines Mentioned Power can be controlled only by different effect Settings not by Bar control Power which are favouring to only 1 Company Covidien.	Amended as "Vessel sealing system should be of minimum 150-200W"	
32		3. The system should be able to Seal vessels or tissue bundles faster than any conventional devices (preferably within 2-4 seconds).	Erbe	Depends on tissue impedance (FDA Approved) Declaration from erbe	No Change	
33		4. All Laparoscopic instruments should have facility for both 5 mm and 10 mm and should have a blade for instant cutting.	Erbe	All Laparoscopic instruments should have facility for 5 mm / 10 mm and should have a blade for instant cutting. (Erbe do not have 10 mm dia Vessel Sealing Instrument, As Nowadays All Surgery are based on Minimal Invasive Technique where the Smaller diameter Hand Instruments , 5 mm are generally used which can be passed thru 5 mm Port No Company Provides 10 mm dia Instruments & Ports except only 1 Particular Company Covidien.)	Amended as "All Laparoscopic instruments should have facility for both 5 mm/10 mm and should have a blade for instant cutting - 2nos."	
34		Vessel Sealer: 5. a. Maryland Jaw Vessel Sealer 5mm 37cm for lap surgery - 6 units	Vishal Surgical (KLS martin) Erbe	Reusable / Autoclavable Maryland Jaw Vessel Sealer 5mm 36cm for lap surgery - 2 units (sufficient for more than 500 surgeries) Maryland Jaw Vessel Sealer 5mm 34-37cm for lap surgery - 6 units Disposable / Reusable -01 Unit Erbe do not have Maryland Jaw Vessel Sealer in Disposable forms , Erbe Can Provide only Reusable Qty 01	Amended as "Maryland Jaw Vessel Sealer 5mm 34-37cm for lap surgery - 2 units reusable or 20 nos. disposable"	
35						

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
36				Vishal Surgical (KLS martin)	Reusable / Autoclavable Maryland Jaw Vessel Sealer 5mm 23cm for open surgery - 2 units (sufficient for more than 500 surgeries)	
37		b. Maryland Jaw Vessel Sealer 5mm 23cm for open surgery - 6 units	Erbe	Erbe	Maryland Jaw Vessel Sealer 5mm 20 -23cm for open surgery - 6 units Disposable/ Reusable -01 Unit Erbe do not have Maryland Jaw Vessel Sealer in Disposable forms , Erbe Can Provide only Reusable Qty 01	Amended as "Maryland Jaw Vessel Sealer 5mm 20-23 cms for open surgery - 2 units reusable or 20 nos. disposable"
38				Vishal Surgical (KLS martin)	Reusable / Autoclavable Double action Jaw Vessel Sealer 5mm 37 cm for lap surgery - 2 units (sufficient for more than 500 surgeries)	
39		c. Double action Jaw Vessel Sealer 5mm 37 cm for lap surgery - 6 units	Erbe	Erbe	Double action Jaw Vessel Sealer 5mm 34-37 cm for lap surgery -6 units Disposable/ Reusable -01 Unit Erbe do not have Double action Jaw Vessel Sealer in Disposable forms , Erbe Can Provide only Reusable Qty 01	Amended as "Maryland Jaw Vessel Sealer 5mm 34-37cm for lap surgery - 2 units reusable or 20 nos. disposable"
40				Vishal Surgical (KLS martin)	Should be deleted	
41		d. Curved Jaw (16.5mm seal) scissor type open surgery instrument with separate control for seal and cut - 6 units	Erbe	Erbe	Curved/Straight Jaw (16.5-20 mm seal) scissor type open surgery instrument with separate control for seal and cut - 6 units	Amended as "Curved Jaw scissor type open surgery instrument with separate control for seal and cut - 6 units"
42				Div Labs	Kindly demand USFDA or European CE instead of both since only two companies (Medtronic and Erbe) have both the certificates there are more than 8 international manufacturers available in the market	
43		Certification: 1. The Equipment Should be USFDA and European CE approved.	Medtronic	Medtronic	please do not make any changes in the current specification which is generic in nature. Also please keep USFDA & CE . Also evaluate the reusable to disposable (instruments) ratio fairly	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
44				Vishal Surgical (KLS martin)	The Equipment Should be USFDA / European CE approved.	
45			Nephroscope with forceps and accessories 27 fr-1No.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	The size mentioned should be standard 26/27Fr	Amended as "Nephroscope with forceps and accessories 25-27 fr-1No.
46			Nephroscope with forceps and accessories 27 fr-1No. 1. Wide-Angle straight forward viewing telescope 0 to 12 deg, with parallel eyepiece, autoclavable , with instrument channel and fiber optic light transmission incorporated.	Olympus	Requesting you to kindly amend it to 0-30 deg, with angular eyepiece	1. Wide-Angle straight forward viewing telescope 0 to 30 deg, with parallel eyepiece, autoclavable , with instrument channel and fiber optic light transmission incorporated."
47			3. Scope should have large working channel 12 Fr or more.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	The instrument channel should be between 11-12Fr, hence will also be smaller and compatible to std nephroscope (working channel should be compatible with std instruments meant for PCNL scopes with size 24 - 26 Fr. There should be option of sheath with either manual / automatic locking mecahnism.	Amended as "Scope should have large working channel 11 Fr or more"
48			4. Operating sheath 27Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	26Fr	Amended as "Operating sheath 25-27Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope."
49				Olympus	Requesting you to kindly amend it to 25Fr - 27 Fr	
50			6. Should be supplied with c. Grasping forceps for stone fragment and coagula, fenestrated jaws, length 38cm-2	Olympus	Requesting you to kindly amend it to 40cm or make it 38-40 cm	Amended as "Should be supplied with c. Grasping forceps for stone fragment and coagula, fenestrated jaws, length 38cm-40cms - 2nos."
51			6. Should be supplied with d. Grasping Forceps for large stone fragments and coagula, alligator jaws and spring handle, length 34-38 cm-2	Olympus	Requesting you to kindly amend it to 40cm or make it 34-40 cm	Amended as "Grasping forceps for stone fragment and coagula, fenestrated jaws, length 34-40cms-2 nos"

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
52			6. Should be supplied with e. Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-38 cm -2	Olympus	Requesting you to kindly amend it to 40cm or make it 34-40 cm	Amended as "Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-40 cm -2 nos"
53			6. Should be supplied with f. Angled tip stone grasping forceps, length 34-38 cm-2	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	f. Angled tip stone grasping forcep to be deleted as it is specific to one company.	Amended as "f. Angled/Straight tip stone grasping forceps, length 34-40 cms-2 nos"
54				Olympus	Requesting you to kindly amend it to 34-40 cm	
55			Nephroscope with forceps and accessories 24fr- Two 1. Wide-Angle straight forward viewing telescope 0 to 12 deg , with parallel eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Field of view should also be mentioned with broader specifications i.e. The instrument channel hence will also be smaller and compatible to std nephroscope (working channel should be compatible with std instruments meant for PCNL scopes with size 24 - 26 Fr. There should be option of sheath with either manual / automatic locking mecahnism.	Amended as "Nephroscope with forceps and accessories 22-24fr- Two nos. 1. Wide-Angle straight forward viewing telescope 0 to 30 deg , with parallel eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated."
56				Olympus	Requesting you to kindly amend it to 0-30 deg, with angular eyepiece	
57			2. Scope should have large field of view, angle of view 20-30 deg	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	2. Angle of view should be deleted as it is not correct. The direction of view is between 0-6 degree.	Amended as "Scope should have large field of view"
58			4. Operating sheath 24Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope.	Olympus	Requesting you to kindly amend it to 25Fr or in range 24-25 Fr	Amended as "Operating sheath 24-25Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope."
59			5. Working length of 220-250mm	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Note: You can choose 18-19CM length instead of long length of 22-25CM so that you have one with long length and one regular size.	No Change
60			6. Should be supplied with c. Grasping forceps for stone fragments and coagula, fenestrated jaws, length 38cm-2	Olympus	Requesting you to kindly amend it to 40cm or make it 34-40 cm	Amended as "Grasping forceps for stone fragments and coagula, fenestrated jaws, length 34-40 cms-2nos"

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
61	17	PCNL Instruments (Nephroscope with forceps and accessories)	6. Should be supplied with d. Grasping forceps for large stone fragments and coagula, alligator jaws and spring handle, Length 34-38cm-2	Olympus	40cm	Amended as "Grasping forceps for large stone fragments and coagula, alligator jaws and spring handle, Length 34-40cms-2 nos"
62			6. Should be supplied with e. Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-38 cm -2	Olympus	40cm	Amended as "Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-40 cms -2nos"
63			6. Should be supplied with f. Angled tip stone grasping forceps, Length 34-38cm-2	KARLSTORZ ENDOSCOPY INDIA PVT. LTD.	f. Angled tip stone grasping forcep to be deleted as it is specific to one company.	Amended as " Angled/Straight tip stone grasping forceps, Length 34-40 cms-2 nos."
64				Olympus	Requesting you to kindly amend it to 40cm or make it 34-40 cm	
65			6. Should be supplied with h. Cleaning brush-2	Olympus	Kindly make it as local supply	No Change
66			Nephroscope with forceps and accessories 12fr- 01 No.	Olympus	We request you to separate this part from A & B items	No Change
67			4. The angle of view should be 12 degree or more.	Olympus	Kindly amend it to 12 - 45 degree	Amended as "The angle of view should be 12 45 degree or more."
68			6. Scope should be supplied with non-fitting sheaths which should work as amplatz sheath as well.	Olympus	Kindly amend it to 12 - 45 degree	No Change
69			a. Each sheath should have a one step dilator.	Olympus	Kindly allow repute make supply	No Change
70			b. Sheatns should have an option in length.	Olympus	Kindly allow repute make supply	No Change
71			c. 3 Sheaths along with one step dilators should be supplied of the following specification 15/16f, 16.5/17.5 ,21/22f	Olympus	As Olympus only has 15.9 Fr operating sheath requesting you to make other sheath sizes as optional or Local supply	Amended as "2 Sheaths along with one step dilators should be supplied of the following specification 15-18 Fr"
72			7. 16.5/17.5 and 21/22 french sheath, dilators should have a central channel for guide wire and along with a distal curved channel for placing a safety guide wire along with a central main guide wire.	Olympus	As Olympus only has 15.9 Fr operating sheath requesting you to make other sheath sizes as optional or Local supply	Amended as "15-18 Fr sheath, dilators should have a central channel for guide wire and along with a distal curved channel for placing a safety guide wire along with a central main guide wire - 3 nos."

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
73			8. It should be supplied with c. 5 Fr scissor single action jaws should be supplied-1	Olympus	Kindly allow reputed make supply	No Change
74			8. It should be supplied with d. An applicator consisting of sheath and rod so as to use with haemostatic agents like floeal and surgiflow-1	Olympus	Kindly allow reputed make supply	No Change
75			Alken dilator set The alken serial metal dilator set should include	Olympus	Kindly allow reputed make supply	No Change
76			2 rigid and 2 firxible guide rods	Olympus	Kindly allow reputed make supply	No Change
77			Alken dilator set The alken serial metal dilator set should include 1. Alken double barrel needle. 2. 2 rigid and 2 firxible guide rods 3. Telescoping coaxial metal Dilators, entire set form 9Fr to 30 Fr. 4. Must have US FDA and CE Certificate.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	This should be PCNL dilator set rather being mentioned as ALKEN dilator set. Delete Alken word	Amended as "Alken dilator set The alken serial metal dilator set should include 1. Alken double barrel needle. 2. 2 rigid guide rods. 3. Telescoping coaxial metal Dilators, entire set form 9Fr to 30 Fr. 4. Must have US FDA and CE Certificate."
78			Nephroscope with forceps and accessories 12fr- 01 No. 6. c. 3 Sheaths along with one step dilators should be supplied of the following specification 15/16f, 16.5/17.5 ,21/22f	Eagle Medical Systems	It should be 2 sheaths of 15Fr & 18 Fr	As above
79			Alken dilator set 2. 2 rigid and 2 firxible guide rods	Eagle Medical Systems	It should be 2 rigid guide rods only	As above

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
80			to be added	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Puncture cannula Guide wire Dilatation cannula Laser Suction tube Sickle cold knife Wire tray for storage and sterilization Instrument port for quick release Tray for sterilization for all PCNL set 26Fr, 24Fr & 12 FR.	Added para "3 nos each of: Dilatation cannula Laser Suction tube Sickle cold knife Wire tray for storage and sterilization Tray for sterilization for all PCNL set 26Fr, 24Fr & 12 FR."
81			Para.1. The unit should be able to perform CMG, Pressure Row, EMG, Video Urodynamics with X-ray Transparent Chair, Uroflowmetry, 2nd Urolow Wireless, Ambulatory Urodynamics (2 pressure and Wireless EMG) and Biofeedback.	Eagle Medical Systems	The unit should be able to perform CMG, Pressure Row, EMG, Video Urodynamics with X-ray Transparent Motorized Urodynamic Examination Chair , Uroflowmetry, 2nd Urolow Wireless/with wire and Biofeedback.	Amended as "The unit should be able to perform CMG, Pressure Flow, EMG, Video Urodynamics with radiolucent motorized Chair , Uroflowmetry, 2nd Urolow Wireless, Ambulatory Urodynamics (2 pressure and Wireless EMG) and Biofeedback."
82			Para.2. Equipment should have 8 pressures: Pves, Pabd, Pura, p4 (for arm), P5 (for arm), P6	Eagle Medical Systems	Equipment should have 8 pressures	Amended as "Equipment should have 8 pressures"
83			Para.3. P8 for non-invasive monitoring for diagnosis of erectile dysfunction.	Eagle Medical Systems	Point should be deleted	Deleted
84			Para.4. Should display atleast 16 display channel	Eagle Medical Systems	Should display atleast 13-16 display channel	No Change
85			Para.5. Software for multiple Calibrations and multiple connections: up to 3 wireless devices could be controlled at the same time	Eagle Medical Systems	Software for multiple Calibrations and multiple connections	Amended as "Software for multiple Calibrations and multiple connections"
86			Para.9. Should have the facility to. add 2 EMG	Eagle Medical Systems	Should have the facility of 2 EMG channels, minimum sampling rate 8 Hz, oversampling rate minimum 15 KHz, impedance measurement possible	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
87			Para.12. Ambulatory unit should be supplied with Air charged catheters, 2 Pressures, Wireless EMG. The ambulatory unit should also work online with Urodynamics	Eagle Medical Systems	Point should be deleted	No Change
88			Para.13. Should have USFDA approved.	Eagle Medical Systems	Should have USFDA/European CE approved.	No Change
89			Para.20. Should have inbuilt pump for infusion with filling rate of 1 ml/min - 100 ml/min with software controlled pump calibration with filling volume of 0-1500 ml.	Eagle Medical Systems	Should have inbuilt stepless adjustable pump for infusion with filling rate of 1 ml/min - 199 ml/min with software controlled pump calibration with filling volume of 0-1500 ml. Accuracy of +/- 1%	No Change
90			Para.27. Air charged catheter, abdominal 7 fr. - 50 pcs.	Eagle Medical Systems	Point should be deleted	No Change
91			Para.28. Air charged catheter, single sensor 7 fr. - 50 pcs.	Eagle Medical Systems	Point should be deleted	No Change
92			Para.32. Should be supplied ultrasound probe for Anorectal findings	Eagle Medical Systems	Point should be deleted	Deleted
93			Para.34. Physical demonstration of the quoted model is essential, failure to demonstration of quoted model will lead to disqualification of the firm	Eagle Medical Systems	Physical demonstration of the quoted/ similar equipment is essential, failure to demonstration of quoted model will lead to disqualification of the firm	Deleted
94	18	Urodynamic System		Eagle Medical Systems	Additional Features:	
95				Eagle Medical Systems	1. the video urodynamic software along with fluoroscopy compatible table with multi-axial electrical movement for video urodynamic:	No Change
96				Eagle Medical Systems	a. the video signal sampling must be only in streaming model, not burst model	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
97				Eagle Medical Systems	b. the quality of sequences must minimal 25 frames/s, 100 KB for PAL and at least 30 frames/s, 100 KB for NTSC	No Change
98				Eagle Medical Systems	c. the video sequences must be saved on the hard disk, not in RAM	No Change
99				Eagle Medical Systems	d. the length of video recording is unlimited, only depending on the size of the hard disk	No Change
100				Eagle Medical Systems	e. up to 99 single pictures can be short and shown on the screen simultaneously	No Change
101				Eagle Medical Systems	2. automatic artifact recognition and compensation on flow transducer	Added para "Should have automatic artifact recognition and compensation on flow transducer" 7Fr. Single Sensor bladder catheter for Cystometry- 40 Nos. 7 Fr. Single abdominal Rectal Balloon catheter. - 40 Nos. 7 Fr. Dual Sensor bladder catheter for UPP. - 40 Nos. EMG Cable for Ambulatory Urodynamic. - 04 Nos. UPS Should be supplied with system.
102				Eagle Medical Systems	3. integrated roller pump with extra low perfusion rate less than 5 ml/min	No Change
103				Eagle Medical Systems	4. special catheter bow prevent catheter from contamination during rest or stress profiles	No Change
104				Eagle Medical Systems	5. direct control by an easy to clean foil keyboard with self explaining symbols	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
105				Eagle Medical Systems	6. cystometry-UPP-Flow studies, all measurements done in one process with one catheter	No Change
106				Eagle Medical Systems	7. urodynamic equipment should have the software to calculate the post/residual volume (PVR)	No Change
107				Eagle Medical Systems	8. the dealer should be able to service the system online through modem connectivity to reduce the downtime	No Change
108			Integrated Extracorporeal Shock Wave Lithotripter (ESWL) for treatment of urinary stones in adult and children. The system should provide anaesthesia-free treatment and should have integrated X-ray and ultrasound localization facilities. The system should be integrated and stationary. The system should comprise the following:	Siemens	Integrated / Modular integrated Extracorporeal Shock Wave Lithotripter (ESWL) for treatment of urinary stones in adult and children. The system should provide anaesthesia-free treatment and should have integrated X-ray and ultrasound localization facilities. The system should be integrated and stationary. The system should comprise the following:	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
109		1.Shock Wave System 1. Latest generation Electromagnetic Shock Wave Emitter Technology		Medion Healthcare Pvt. Ltd.	<p>We would like to inform you that the latest generation lithotripter is Electro-conductive which is regarded as the 4th generation technology in lithotripter while electro-magnetic technology is 3rd generation technology.</p> <p>We kindly request you to change the specifications to "Latest Generation Electromagnetic/Electro-conductive shock wave emitter technology.</p> <p>Advantages of electro-conductive over Electromagnetic technology are listed below - High power shock enables breaking on any kind of hard & soft stones. Electromagnetic technology because of less power of shock cannot break all kinds of stones specifically hard stones & is good only for soft stones. (Ref. Page 12) - Small Focal spot of Shock enables accurate fragmentation in power form which allows natural passage of stones. (Ref. Page 6) - Faster treatment time at lower no of shocks, electro-conductive technology breaks stone with nearly 40% lower shocks thus reducing treatment time by nearly 50% as well as multiple sittings in most of the cases. (ref. Page 10) - Lowest retreatment rate at 14%. Most patients 70-80% are stone free within the first session of treatment. Recurrence rate is 14% Versus 20-30% in electro-magnetic Lithotripters (Ref. Page 19)</p>	Amended as "Latest generation Electromagnetic/Electro-Conductive Shock Wave Emitter Technology"
110		1.Shock Wave System 3. Shock Wave Head should have motorized movements to ensure easy targeting without the need to change patient's position or rotating the table for left or right side stones.		Medion Healthcare Pvt. Ltd.	<p>This is company specific to Dornier product Model Gemini. Kindly request amendment of this point to make it more generic in nature. To be amended as "ShockWave Head should have motorized movements to ensure easy targeting of stones"</p>	Amended as "Shock Wave Head should have motorized movements to ensure easy targeting of stones.
111		Para:1. 4. Depth of penetration should be 165mm or more.		Siemens	<p>Depth of penetration should be 140mm or more</p>	Amended as "Depth of penetration should be 140mm or more"

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
112			Para.1.7.b. Maximum of 100 mJ or higher	Eagle Medical Systems Pvt. Ltd	Maximum of 65 mJ or higher	No Change
113			Para 1.8: Shock wave head should have facility for at least 12 variable energy levels in 12 or more steps for facilitating low energy treatments for paediatric patients and high energy treatments for hard stones	Eagle Medical Systems Pvt. Ltd	Shock wave head should have stepless adjustable facility for paediatric patients and high energy treatments for hard stones	No Change
114			1. Shock Wave System 9. Largest dimension of the focus should be 8 cm or higher	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	9. Kindly revised to: Minimum focal width-5mm and maximum focal length 50mm or higher but not higher than 65mm. As the focal wave is in elliptical shape in all ESWL machines. In addition we recommend Dual focus which is most preferred.	Amended as "Largest dimension of the focus should be 5 cms or higher"
115				Eagle Medical Systems Pvt. Ltd	Largest dimension of the focus should be 0.7x 8 cm or higher	
116			1.Shock Wave System 10. Movements of treatment table, X-ray system and the shockwave head should be motorized to ensure easy and accurate stone targeting. All functions should be controllable with remote control touch button keypad. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient.	Medion Healthcare Pvt. Ltd.	Our system offers latest technology of touchscreen & not buttons. Moreover this is company specific to Dornier. Kindly request required change to make it generic in nature.	Amended as "Movements of treatment table, X-ray system and the shockwave head should be motorized to ensure easy and accurate stone targeting. All functions should be controllable with remote control touch button/touchscreen keypad. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient."

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
117			Para 2. Stone Localization system: integrated, isocentric fluoroscopy and ultrasonography:	Eagle Medical Systems Pvt. Ltd	Stone Localization system: Integrated, Inline/outline fluoroscopy and ultrasonography	No Change
118			Para: 2. A: C-Arm fluoroscopy and imaging system 1. The C-arm, shock-head and patient table must be integrated. There must be no need to routinely check alignment between these systems by the end-user.	NW Overseas	Please add Fully integrated ESWL Machine with C-Arm Fluoroscopy, Shockwave Head, Patient table & Outline / Inline Ultrasonography Machine.	No Change
119			Para: 2. A. 5. Rotating/fixed anode X-ray tube.	Medion Healthcare Pvt. Ltd.	Asked System is high end with high KW x-ray generator, so technically it should be rotating anode system.	No Change
120				Siemens	Minimum 2.3KW X-ray capability to allow all endourological interventions.	
121			Para: 2. A. 6. Minimum 40KW X-ray capability to allow all endourological interventions	Medion Healthcare Pvt. Ltd.	40KW is too high KW power for such application, Our system is 15KW & is more suitable for ESWL application. Most common system for C-arm localization is 3.5KW & 5KW system, so 15KW itself is high power.	Amended as "More than 15 KW X-ray capability to allow all endourological interventions"
122				Siemens	30X30 cm Flat Panel Detector.	No Change
123			Para: 2.A. 7. Image intensifier should be of 12 inch or greater diameter.	Eagle Medical Systems Pvt. Ltd	Image intensifier should be of 9 inch or greater diameter.	No Change
124			Para.2.A.8. All movements of C-arm fluoroscope should be motorized and isocentric.	Eagle Medical Systems Pvt. Ltd	All movements of C-arm fluoroscope should be motorized.	No Change
125			Para 2.B.2: 3.5/4 MHz transducer on articulated arm for stone localization of stone.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	We can not provide articulated arm so kindly revise to traditional hand held transducer 3-5 MHz for localization of stone.	Amended as "3-5 MHz USG transducer with articulated arm/hand held for

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
126			articulated support arm for easy movements and positioning,	Eagle Medical Systems Pvt. Ltd	3.5 MHz transducer on articulated support arm for easy movements and positioning	articulated support arm for easy localization of stone"
127			Para B.4. Color Doppler imaging should be available	Eagle Medical Systems Pvt. Ltd	High resolution imaging should be available	No Change
128			Para 3.4: 4. Standard extensions/accessories (manufactured by the principal table manufacturer and not locally sourced) for comfortable supine and lithotomy positioning of adult and children including at least: 2. Gel pads: 4 Nos. 4. Head extension: 1 Nos. 5. Foot extension: 1 Nos.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Gel Pads are not required so may be deleted. Head Extension is not required and may be deleted. Foot extension is not required and may be deleted.	No Change
129			5. Remote control panel:	Medion Healthcare Pvt. Ltd.	Asked specs is for Touch Button. - Our system offers latest technology of touchscreen & not buttons. Moreover this is company specific to Dornier. Kindly request required change to make it generic in nature.	Amended as "All functions should be controllable with remote control touch button keypad or touch screen LCD panel. One set of controls must be available at the
130				Eagle Medical Systems Pvt. Ltd	Remote control & Touch screen LCD panel ergonomic design:	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
131	19	Extracorporeal Shockwave Lithotripter (ESWL)	<p>1. All functions should be controllable with remote control touch button keypad. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient. The remote control centre must have all monitors that provide C-arm image and lithotripsy parameters.</p> <p>Para: 7. Terms & Conditions</p> <p>1. Suitable indigenous UPS with 30 minutes battery back up for complete load of the ESWL machine as per actual requirement.</p>	Eagle Medical Systems Pvt. Ltd	<p>All functions should be controllable with remote control touch button keypad & touch screen LCD panel. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient. The remote control centre must have all monitors that provide C-arm image and lithotripsy parameters.</p>	<p>patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient. The remote control centre must have all monitors that provide C-arm image and lithotripsy parameters."</p>
132			<p>Para: 7. Terms & Conditions</p> <p>1. Suitable indigenous UPS with 30 minutes battery back up for complete load of the ESWL machine as per actual requirement.</p>	Medion Healthcare Pvt. Ltd.	<p>UPS for such high power system will be too big in size & also would involve large quantities of batteries. It is suggested to ask for Suitable capacity Power stabilizer to ensure constant power supply to the machine.</p>	No Change
133			<p>Para: 7. Terms & Conditions 3. The whole equipment quoted must conform to US-FDA standards for human use with necessary certificate enclosed. C-Arm fluoroscopy must conform to international safety standards against radiation hazards.</p>	Surjimed Solutions	<p>To be amended as: The whole equipment quoted must conform to US FDA/CE standards for human use with necessary certificate enclosed.</p> <p>USFDA is only necessary for US based manufacturer or supplier, who export in USA. CE is European Standard and it is sufficient quality parameters. Please make an amendment in the tender specification and please mention US FDA/CE</p>	No Change
134				Eagle Medical Systems Pvt. Ltd	<p>The whole equipment quoted must conform to US-FDA standards or European CE for human use with necessary certificate enclosed. C-Arm fluoroscopy must conform to international safety standards against radiation hazards. All equipment must be manufactured by the same company or else each component must meet the US-FDA standards or European CE standards.</p>	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
135			Para: 7. Terms & Conditions 6. The bidder must inspect the site of installation before bidding and ensure the installation of new machine in the existing facility. If any addition all civil/electrical work is required for the functioning of the machine, the bidder must arrange to complete it on his own. It is the bidder's responsibility to ensure that the machine is installed and fully functional to its maximum capacity.	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Can not comply as it is beyond our control and any additional requirements which is not in scope of bidder supply has to be provided by hospital/end consignee for example if the interior of rooms are required like wardrob , table, chair, extra lighting then it has to be clearly mentioned the BOQ. The electrical supply required in the room is 3-phase of minimum 63KW. The proper earthing and grounding has to be provided by hospital and it can not be in scope of bidder.	Amended as:-"Turnkey Details attached in Annexure 1"
136				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Note: The number of treatment per year to be define by end user so that bidders can work out consumable like electromagnetic coil cost. please acknowledge and define the number of treatment per year, we recommend 800 Nos.	Added para 7.8: (Under Terms& Condition) System should be covered under warranty and CMC period with all consumables & spare including shock head generator minimum for 3500 treatment session during 5 years of warranty period & 3500 treatment during 5years CMC period."
137				NW Overseas	The whole equipment quoted must @inform to US-FDA/CE standards for human use with necessary certificate enclosed	No Change
138			All equipment must be manufactured by the same company or else each component must meet the US-FDA standards.	Surgimed Solutions	All equipment must be manufactured by the same company except colour doppler ultrasound or else each component must meet the US-FDA standards. Our all items are from same manufacturer except colour doppler ultrasound machine. There is no manufacturer available, who manufacturer all the items for lithotripter machine.	No Change
139			Additional Features	Eagle Medical Systems Pvt. Ltd	The aperture diameter should be 200 mm	No Change

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
140				Eagle Medical Systems Pvt. Ltd	The spark voltage range should be 0-22 KV	No Change
141				Eagle Medical Systems Pvt. Ltd	The aperture angle should be 40-50 DEGREE.	No Change
142				Eagle Medical Systems Pvt. Ltd	The energy flow density range should be 0.07-0.90 mJ/mm ²	No Change
143				Eagle Medical Systems Pvt. Ltd	The focal pressure range should be 550 to 900 bar	No Change
144				NW Overseas	All equipment must be manufactured by the same company except Color Doppler Ultrasound Machine or else each component must meet the US-FDA standards Note: There is no manufacturer available, who manufacture complete unit.	No Change
145			additional	Siemens	Detail turnkey of each site should be mentioned, clearly defining the scope of work	As above
146			additional	Siemens Healthware Pvt Ltd (Dornier medical)	Logout plan of each site should be provided	No Change
147			additional	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	For turnkey part of the project the BOQ should be mentioned clearly. The details of turnkey are not available as of now. a X-Ray Film viewer X-Ray viewer LED type -1 Nos	Already added in Turnkey Work
148						Already added in Turnkey Work

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
149				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	b RO water dispenser of 20 Liter: 1 nos	No Change
150				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	c Colour laser printer: 1 Nos.	Already added in Turnkey Work
151				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	d PC Desktop with Windows latest with monitor: 1 Nos	Already added in Turnkey Work
152				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	f Hospital should provide Telephone connection: Telephone cinnnection with instrument	No Change
153				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	g Hospital should provide LAN connection : LAN NETWORK	No Change
154				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	h Medical gas connection and exhaust : Medical gas connection and socket	Already added in Turnkey Work
155			Additional requirement: Which is not in scope of supply of bidder and to be provided by hospital strictly	KARL STORZ ENDOSCOPY INDIA PVT. LTD.	i Cabinet for measuring instruments, expendable material and documentation : as per wish list of hospital	No Change
156				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	j Room lighting, infinitely variable: as per wish list of hospital	Already added in Turnkey Work
157				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	k X-ray warning light at the entrance door: 1 nos	Already added in Turnkey Work

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
158				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Proper grounding with Potential equalisation bar for additional devices: 1 set	No Change
159				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Instrument table, anaesthetic trolley: 1 set	No Change
160				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Lockable cabinet for medicaments and instruments as per wish list of hospital	No Change
161				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	Desk with swivel chair for physician and operator as per wish list of hospital	Already added in Turnkey Work
162				KARL STORZ ENDOSCOPY INDIA PVT. LTD.	3-phase supply 440 V AC, 100 KVA with MCCB, 1 set	Already added in Turnkey Work
163				Healthware Pvt Ltd		
164				Sama diagnostics (Accu Tech)		
165	20	HOLMIUM LASERS:100 WATTIS	Representation received in hard/soft copy seen by the committee and taken decision accordingly	Eagle medical Systems		New Specifications given for 120 W Holmium LASER instead of 100 W LASER
166				Apple life science (Ascleption)		
167		2D HD Endovision System for Lap And Endo With	Representation received in hard/soft copy seen by the committee and taken decision accordingly	KARL STORZ ENDOSCOPY INDIA PVT. LTD.		New Specifications given for Laparoscopy Unit (3D HD Endovision System for Laparoscopy and Endoscopy with Accessories) instead of 2D Laparoscopy unit
168	21			Olympus medical system India		

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
169				Rohit surgicals		
170			to be added	Vishal Surgical (KLS martin)	The following mentioned points should be added in the specification for obtaining good quality instruments from reputed manufacturers	
171			to be added	Vishal Surgical (KLS martin)	All instruments should be of a high quality, US FDA / European CE and ISO 9001 certified to ensure quality standards.	All instruments should be of a high quality, US FDA / European CE certified to ensure quality standards.
172			to be added	Vishal Surgical (KLS martin)	All instruments offered should promise a long life on their functionality and workmanship quality.	No Change
173			to be added	Vishal Surgical (KLS martin)	Item Code and Manufacturer name should be engraved on the instrument.	Added para: Item Code and Manufacturer name should be LASER engraved on the instrument.
174			to be added	Vishal Surgical (KLS martin)	The manufacturing material type should be stainless steel 18/8, antimagnetic, and acid-resistant.	No Change
175			to be added	Vishal Surgical (KLS martin)	Compatible Sterilisation Containers shall also be provided by the same manufacturer.	Added para: "Compatible Sterilisation Containers shall also be provided"
176			to be added	Vishal Surgical (KLS martin)	The instruments should be accordingly to ASTM standard A 967-05 for passivation process.	
177			to be added	Vishal Surgical (KLS martin)	Compatible sterilization container should be of International Standards certificates like	
178			to be added	Vishal Surgical (KLS martin)	* ISO 11607 Part 1 & 2	
179			to be added	Vishal Surgical (KLS martin)	* - EN 868 Part 8	No Change
180			to be added	Vishal Surgical (KLS martin)	* - DIN 58953 Part B	
181			to be added	Vishal Surgical (KLS martin)	* - CE Marking in accordance with EU directive 93/42/EEC (MDD)	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
182			to be added	Vishal Surgical (KLS martin)	* - Approved for steam sterilization procedures according to EN 285 and validated according to ISO 17665 Part I	No Change
183			to be added	Vishal Surgical (KLS martin)	* - The barrier of the container should be autoclavable.	No Change
184			CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	Already Addressed
185			Physical demonstration of all instruments is mandatory	Vishal Surgical (KLS martin)	Physical demonstration of Few instruments is mandatory	No Change
186			Scissors: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
187			Needle holder: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
188	22	Open Surgery Instruments	Hemostats: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
189			Retractors: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	Already Addressed
190			Forceps: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
191			Clamps: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
192			Towel Clamps: CE certified	Vishal Surgical (KLS martin)	European CE / USFDA approved	
193					Added para: "Instruments supplied should be 90% or more from the same manufacturer"	

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
194			technical committee suggestion			Added para: "1. Scott Ring Retractor with 6 retractable blades for adult urethroplasty 2. Turner-Warwick needle Holder 6-8 inches - 2 nos 3. Prostate retractor - long straight with Y-shaped end 4. Open Titanium clip Applicator for size LT-300 and LT-400 5. Castroviejo needle holder - 2 nos 6. Microscopic ring forceps - 2 nos 7. Castroviejo Scissors straight - 2nos 8. Castroviejo Scissors curved - 2 nos"
195			Gerbode sternal retractor: Standard spread,- Blades 3 15/16" (10cm) wide by 1 3/16" (3cm) deep, spread 5 7/8" (15cm), arm length 8 11/16" (22cm) Wide spread: Blades 3 15/16" (10cm) wide by 1 3/16" (3cm) deep, spread 8 1/2" (21.5cm), arm length 8 11/16" (22cm)	Technical Expert		Deleted
196			Chaux multipurpose sternal retractor: Spread 9 1/4" (23.2cm), blades 1 1/8" (2.7cm) wide by 1 1/4" (3cm) deep, arm length 8 1/2" (20.5cm), rack length 11 1/8" (28.2cm) Kuyper-murphy sternal retractor: Small-Spread 6 7/8" (17.5cm), blades 2 1/8" (2.8cm) deep by 3" (7.6cm) wide, arm length 5 1/8" (13cm) Medium-Spread 6 5/16" (16cm), blades 2 1/8" (2.8cm) deep x 3 9/16" (9cm) wide, arm length 6 1/2" (16.5cm)	Technical Expert		Deleted
197			Chisel and Hammer	Technical Expert		Deleted
198				Technical Expert		Amended as "Chisel - 12mm, 6.5 inches - 1 no and Mallet with metal head - 8 inches - 1 no"

Sl.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
199			Sternal Saw- Pneumatic	Technical Expert		Deleted
200			System should be a single generator with single footswitch that provides ultrasonic energy and advanced RF energy technology for soft tissue dissection and vessel sealing	As per hard copy received		Amended as "System should be a single/dual generator with single footswitch that provides ultrasonic energy and advanced RF energy technology for soft tissue dissection and vessel sealing"
201			Should be able to power ultrasonic energy instruments with 55.5 KHz frequency	As per hard copy received		Amended as "Should be able to power ultrasonic energy instruments with 45 KHz frequency"
202			Should be compatible with articulating RF energy instruments with articulation of 55 deg either side and total of 110 deg of articulation with 360 shaft rotation and can simultaneously seal and transect vessel upto 7mm, large tissue pedicles and vascular bundles with system feedback	As per hard copy received		Amended as "Should be compatible with 360 shaft rotation and can simultaneously seal and transect vessel upto 7mm, large tissue pedicles and vascular bundles with system feedback"
203		Combined single generator for ultrasonic cutting & coagulation device with advanced Radio frequency	All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues and also works separately curved blade and dissecting Hook having telescoping shaft (10cm - 14cm) with integrated hand activation control buttons	As per hard copy received		Amended as "All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues with integrated hand activation control buttons"
204			Should have the ability for software updates via USB memory stick	As per hard copy received		Amended as "Should have the ability for software updates via USB memory stick/HDMI/Link"

Si.No.	Sch. No.	Name of the Equipment	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
205		RF energy 5mm lap hand activated probe capable of sealing blood vessels upto 7mm in diameter, 35cm with 3mm curved tip and 5mm straight tip with active articulation of 55 deg each side using articulation wheel and 360 deg knob rotation	As per hard copy received		Amended as "RF energy 5mm lap hand activated probe capable of sealing blood vessels upto 7mm in diameter, 35cm with 3mm curved tip	
206		Ultrasonic 5mm lap hand activated curved coagulating shear with next generation adaptive tissue technology which gives regulated power delivery for improved thermal management and audible feedback tone for generator surgical efficiency, capable of sealing blood vessels upto 7mm in diameter using three hand activation buttons – max, min & advanced hemostatis, proprietary non stick coated active blade to reduce tissue sticking, 36cm shaft length with ergonomic handle.	As per hard copy received		Amended as "Ultrasonic 5mm lap hand activated curved coagulating shear with next generation adaptive tissue technology which gives regulated power delivery for improved thermal management and audible feedback tone for generator surgical efficiency, capable of sealing blood vessels upto 7mm in diameter using two hand activation buttons , proprietary non stick coated active blade to reduce tissue sticking, 36cm shaft length with ergonomic handle.	

AIIMS-II-26 Prebid-Representations for the Deptt of Endocrinology (Pre-Bid date: 22.03.2016)

Tender Ref : HLL/PCD/PMESSY/AIIMS-II/26/16-17 dated 08.03.2017

Schedule-24- BONE DENSITOMETER (DEXA SCANNER)

Sl. No.	Tender Specification	Bidder	Representations Received from the bidders	Committee Decision
	Para: Connectivity/Reporting tools I) Reporting software with fracture risk indication (FDA approved)	Platinum Healthcare	Pls do not write US FDA anywhere in specs. We have Govt of India issued AERB type approval and European CE approval.	US FDA approval required.
	Added Para	Platinum Healthcare	Quoted model must have AERB type approval certificate in name of bidder (It is a statutory requirement , being a radiation causing X Ray machine)	AERB approval mandatory
	Para: Scanner hardware and acquisition technology:	Platinum Healthcare	Pls DELETE " ISOCENTRIC	
	I) Isocentric fan beam acquisition	ADS Diagnostic (Hologic)	It should be Isocentric OR Linear Fan beam acquisition	O.K.
			Kindly ADD : At least 216 detectors OR more	At least 64 detectors
	Para: Scanner hardware and acquisition technology: IV) Multi-element solid state detector arra	Platinum Healthcare	Quote for highest end model with maximum number of detectors (Kindly note that at least 3 firms have 216 to 256 detectors in high end system . Firms have less no of detectors in low end models and more no of detectors in high end models. For AIIMS only highest end models with maximum no. of detectors min 216 detectors should be considered)	
		ADS Diagnostic (Hologic)	Number of detectors must be mentioned and should be specified in the tender. Please note that GE Medical and Hologic machines Both have minimum 50 Nos. or more detectors (GE Healthcare make:- Model iDXA as well as the Hologic Make:-Discovery Wi Series.) GE has quoted the iDXA in Srinagar and Hologic has quoted the same in many centers	At least 64 detectors
	Scanner hardware and acquisition technology IX) Controls on C-arm for user convenience	ADS Diagnostic (Hologic)	Controls on C-arm OR on the side of patient table for user convenience. (as control on C-arm is GE Specification.)	O.K.

Quality assurance III) Anthropomorphic spine phantom for daily quality control	ADS Diagnostic (Hologic)	Whole body research phantom should be added in Quality Assurance for long term quality assurance for whole body bone mineral and body composition measurements. Small Animal Phantom should be added for calibration of small animal studies	whole body phantom added optional
Clinical applications:iii) Express exam productivity tools	ADS Diagnostic (Hologic)	It should be Express exam productivity tools OR Express Exam Protocol group in Programme (As it is GE Term) or it should be removed from the specifications.	Express exam productivity or express-exam protocol
Clinical applications: xiv) HD IVA	Platinum Healthcare	xiv- Pls DELETE HD IVA word which is company specific. Instead pls write HD IVA/ Digital Verteral Analysis must be available. IVA and DVA are same things(It depends on number of detectors)	HD-IVA / equivalent feature
Clinical applications: xix) FDA approved fracture risk indication with IVA	ADS Diagnostic (Hologic)	It should be HD IVA OR IVA (We Have HD IVA in our other Dexa Model with 216 Detectors Depends on HLL Budget for this machine as this is Proprietary and high budget Model)	HD-IVA/IVA/ equivalent feature
Connectivity/Reporting tools : I) Reporting software with fracture risk indication (FDA approved)	Platinum Healthcare	xix) Pls DELETE FDA approved (We do not sell in USA so we do no have US FDA approval)	US-FDA approval to be retained
Reference Data: i) Reference Data n> 18000	ADS Diagnostic (Hologic)	I) Pls DELETE FDA approved from first line (Reporting software with fracture risk indication) We do not have US FDA approval It should be Reference Data n> 8000 (as this research was done by NHANES III on more than 8000 people)	US-FDA approval necessary. O.K.
Computer hardware: i) APEX based operating system	Platinum Healthcare	Pls DELETE APEX based operating system and instead write any latest operating system.	APEX/WINDOWS operating system
Computer hardware: ii) 1 GB hard drive recommended iii) 160GB Hard drive recommended	ADS Diagnostic (Hologic)	It should be minimum 1GB RAM and minimum 160 GB hard drive.	O.K.
Computer hardware: viii) Color printer	ADS Diagnostic (Hologic)	It should be mentioned inkjet OR Deskjet/laserjet type along with the number of extra cartridges	Laserjet with price of consumables to be quoted

	<p>Kindly ADD : Scan time (lower the scan time , lower is radioation dose to operator & patient) : Min scan time should be <input checked="" type="checkbox"/> Lateral Spine – 15 Seconds</p> <p><input checked="" type="checkbox"/> AP Spine - 15 Seconds</p> <p><input checked="" type="checkbox"/> Hip – 15 Seconds</p> <p><input checked="" type="checkbox"/> Prox femur - 15 seconds</p> <p><input checked="" type="checkbox"/> Forearm - 10 Seconds</p> <p><input checked="" type="checkbox"/> Whole Body – 3 Minute</p> <p>Firm to quote for only its highest end best model which has least scan time.</p>	<p>Platinum Healthcare</p>	<p>To be added to specification</p>	
	<p>Pls ADD that "quoted model must be installed in at least 1 reputed Post Graduate Government medical institution"</p>	<p>Platinum Healthcare</p>	<p>To be added to specification</p>	
	<p>Pls ADD : Only highest end model with maximum number of detectors , least scan time and largest scan area, manufactured in home country of OEM must be quoted . All the softwares ,hardwares, applications, phantoms ,all accessories as shown in catalogue, product data must be included & supplied with the main equipment.</p>	<p>Platinum Healthcare</p>	<p>To be added to specification</p>	
	<p>Pls ADD : Quote for only model which is manufactured by OEM in their home native country (Otherwise you will get made in china OR made in Hungary unit)</p>	<p>Platinum Healthcare</p>	<p>To be added to specification</p>	

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	To be added to specification	Platinum Healthcare	<p>PLS ALSO ADD following accessories which are essential for smooth functioning (OR pls confirm that you will provide these accessories) :</p> <ul style="list-style-type: none"> - Laser Colour USB printer - 4 Lead Apron with 0.5 mm lead. One lead protection barrier with viewing window . - Weighing scale & height measurement device. - 1 Computer Table, 1 revolving chair , 1 Almirah / cupboard for phantom & accessory storage . - Lead lining of door, window to be done with 2 mm lead by bidder as per AERB norms. - 10 KVA UPS for full system with 30 minute back up including computer & printer . Also provide voltage stabiliser for full system. 	<p>weighing & height measurement device (Stadiometer) added.</p> <p>UPS with 30 min backup including computer & printer added.</p>
	Platinum Healthcare	Platinum Healthcare	<p>Turnkey work : Pls clarify who will provide 9 inch brick wall , do finishing of site , civil, electrical , mechanical furnishing , painting , leadlining as per AERB norms ?</p> <p>Dedicated earthing is required for DEXA BMD . Kindly clarify who will do it ?</p>	<p>Turnkey work specified.</p>

	<p>Company shall be responsible for the complete renovation of the allotted room size as per the AERB Guidelines. Renovation of the room consisting following parameters.</p> <p>Institute shall provide a room with power load single phase with dedicated earthing.</p> <p>Vitrified floor tiles, wherever required.</p> <p>False ceiling, wherever required.</p> <p>General Lights-Mirror optical type 1x40w or 2x40w and CFL down lighter.</p> <p>Complete electrical work inside the allotted room, i.e Lighting, fixation of power switches etc.</p> <p>Facility for changing room.</p> <p>Wall Paints.</p> <p>Furniture (01 No. Table, 02 Nos. of chairs, 01 No. Almira to store the accessories) of Reputable Make.</p> <p>01 No. Air- Conditioner, Either Window or Split, depends on the allotted room size of reputable make.</p> <p>Sign Boards.</p>	<p>To be added to specification for Turnkey</p> <p>ADS Diagnostic (Hologic)</p>	<p><i>Turnkey requirements specified.</i></p>
<p>To be added to specification</p>	<p>Your technical specifications are for a lowest end product and do not specify most important critical technical specifications of any imaging equipment / DEXA BMD e.g. number of detectors , scan time. Also many essential accessories , AERB Type approval (since DEXA is a X Ray machine) and turnkey work scope (9 inch brick wall , lead lining etc necessary for AERB registration) are not specified.</p> <p>Since DEXA Scanner has most limited competition with only 3 serious firms please consider our request and make following changes / addition / deletion in technical specifications</p>	<p>Platinum Healthcare</p>	<p><i>Fl minimum to GA detector added</i></p> <p><i>Turnkey requirements specified.</i></p>
<p>To be added to specification</p>	<p>TBS software with Phantom should be included, which allows micro-architecture evaluation from bone densitometry examination. We are in the process of selling the same in AIIMS New Delhi-Endocrinology dept.</p>	<p>ADS Diagnostic (Hologic)</p>	<p><i>TBS software added.</i></p>

S. No	Tender Clause No.	Bidder name	Tender Specification	Representation	Remarks by prospective bidders	Committee Recommendations
1		Healthcare Pvt. Ltd		Site Readiness: please provide the site readiness certificate along with the LOA Permission for site inspection from Respective AIMS		Respective consignees will confirm.
2	GCC- Insurance. Point no 11.1.1-ii SCC-Part –VI, point no-b	Siemens Healthcare Pvt. Ltd.	In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.	In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended insurance (local transportation and storage) would be borne by the Supplier/ Indian Subsidiary/ local company/ agency from the port of entry to theme consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.	Foreign vendor will cover the insurance upto airport and the local subsidiary/agency will cover the local insurance from port to site + 3 months for installation.	Acceptable: May be changed to In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended insurance (local transportation and storage) would be borne by the Supplier/ Indian Subsidiary/ local company/ agency from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.
3	GCC Clause: Spare Parts 12.1.1-ii	Siemens Healthcare Pvt. Ltd.	Immediately following such discontinuation, providing the Purchaser / Consignee free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee	We request to replace this clause with requirement for the supplier to provide an undertaking to provide spare parts for specific period of time (e.g. 10 years)	Designs, drawings or layouts etc. of spare parts are the "Intellectual Property Rights" of the Siemens Healthcare GmbH are not under sale along with the concerned equipments under the equipment supply contract. We confirm the availability of spare parts for a period of 10 years from the date of installation and provision of comprehensive warranty and services during the said period. Therefore, this would obviate the need for submission of any designs, drawings, or layouts etc. of the spare parts as required under clause 12.11(b) of GCC. We bring to your kind attention that HLL as agreed to such amendment. Please find enclosed a copy of the amendment for your kind reference.	Acceptable: The supplier must enclose with their Techno-Commercial bid an undertaking to supply necessary spares for the next 10 years after issue of notification of award.
4	GCC- Warranty: Clause 15.10	Siemens Healthcare Pvt. Ltd	Immediately following such discontinuation, providing the Purchaser / Consignee free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-a-vis its other Clients/Purchasers of its equipments/ machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee	The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-a-vis its other Clients/Purchasers in India of its equipments/ machines/ goods etc. and shall always give the most competitive price for its machines/equipments of identical description (i.e. same nature, class, specifications prevailing exchange rate, warranty, quantity and other commercial terms & conditions) supplied to the Purchaser/Consignee. This undertaking shall be valid until installation of the equipment or 12 months from delivery of the equipment, whichever is earlier.	Price Fall Clause (a) Not limited to India, (b) Not limited to a time period and (c) Not limited to identical description of supplies/services. We also shared that Siemens values its commitments the most, therefore, is reluctant to commit to any open ended Price fall clause like above which Siemens may not be able to fulfill. We kindly inform that prices are determined by market and by you by choosing the lowest 1. Further, the terms like most favored customer" and "most competitive price" are not defined. Siemens doing business in more than 100 countries, therefore, it is not possible for Siemens to fulfill the obligations under this clause.	The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-a-vis its other Clients/Purchasers of its equipment/ machines/ goods etc. of identical description and shall always give the most competitive price for its machines/ equipment supplied to the Purchaser/ Consignee
5	GCC- Point No- 21.1 – Payment Terms –B(a)	Siemens Healthcare Pvt. Ltd.	a) On Shipment: Seventy Five (75)% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified here under:	a) On Shipment: Hundred (100)% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country against submission of performance bank guarantee @20% of the LC value and upon submission of documents specified hereunder:	100% payment through LC against bank guarantee of 20% being requested. Bank guarantees value increased upto 20% for security purpose.	Not Acceptable

6	GCC - Point No- 21.9 — Payment Terms	Siemens Healthcare Pvt Ltd.	In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment, for the goods in question, subject to the following conditions:	Please confirm vendor will get his payment subject to this condition.	In the past executed order, we had faced lot of issues to get the CRC and FAC signed by the customer, we propose to HLL with reference to this clause for release of payment, however the same was not worked in HLL. Please clarify this point in detail.	payments shall be made as per tender terms and conditions
7	GCC- Payment of Turkey: Point No 21@	Siemens Healthcare Pvt. Ltd.	Turkey payment will be made as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation/exchange variation.	Request you to amend this clause payment term as "80% advance against advance BG and 20% after handing over"	No specific payment terms mentioned for turnkey and requested for 80% advance against Bank Guarantee as security.	Not Acceptable
8	SCC - Required Healthcare Pvt. Ltd.	Siemens Healthcare Pvt. Ltd.	75 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.	The indigenous goods shall be delivered on or before imported equipment reaches at site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period) Installation and commissioning shall be done within 60 days of receipt of the stores/ goods at site or within 60 days of handing over the site with availability of permanent power for installation, whichever is later.	Delivery of indigenous and imported goods should be aligned together after opening of Letter of Credit. The same clause has also been amended in previous tender, copy attached.	Delivery terms of indigenous goods to be delivered along with imported goods shall be incorporated in the NOA. For installation of High - end - items like ESWL, Cath Lab, Dexa Scan and 4D echocardiography, the installation terms may be amended as follows: Installation and commissioning shall be done within 60 days of receipt of the stores/ goods at site or within 60 days of handing over the site for installation, whichever is later.
9	SCC - Required Delivery Schedule- Point —b- Imported Goods	Siemens Healthcare Pvt. Ltd.	90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period). Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.	90 days from the date of opening of L/C and site handing over along with availability of permanent power, whichever is later. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period). Installation and commissioning shall be done within 60 days of receipt of the stores/ goods at site or within 60 days of handing over the site with availability of permanent power for installation, whichever is later.	Delivery should be linked with site handing over with availability of permanent power to avoid the delay in installation and warranty loss and damage to equipment.	Clause of Site handing over already incorporated in Tender. For installation of High - end - items like ESWL, Cath Lab, Dexa Scan and 4D echocardiography, the installation terms may be amended as follows: Installation and commissioning shall be done within 60 days of receipt of the stores/ goods at site or within 60 days of handing over the site for installation, whichever is later.
10	Technical Specification: Turkey Site Preparation- Point No- 4	Siemens Healthcare Pvt. Ltd.	Site preparation should be time bound and completed before shipment of equipment and time to installation of the machine no more than 4 weeks (total time 90 days).	Please delete this clause.	This clause is contradictory with SCC clause. Completion of site in total is not possible before arrival of the machine, there are so many things to be done in turkey after the machine is dispatch and mechanically installed at site. Hence we request you to please delete this clause from tender docs.	
11	General Technical Specifications Point No- 1B Page No-84	Siemens Healthcare Pvt. Ltd.	98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.	95% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.	Request you to please change the uptime to 95% instead of 98%.	
12	General Technical Specifications Point No- 4E Page No- 84	Siemens Healthcare Pvt. Ltd.	There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.	There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.	Request you to please change the uptime to 95% instead of 98%.	

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13	GCC: 15.02.b	Olympus	Warranty Terms	<p>The warranty and CMC should not be applicable on accessories and consumables like transducers, Cables, shears, probes and disposable items</p>	<p>Not Acceptable. As per TED, Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turkey work and it will also cover the following wherever applicable:- Any kind of motor. Plastic & Glass Parts against any manufacturing defects. All kind of sensors. All kind of coils, probes and transducers. Printers and imagers including laser and thermal printers with all parts. UPS including the replacement of batteries. Air-conditioners</p>
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