

NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 45,Para1	Should be able to warm fluid /blood at a temperature range of 37-40c.	M/s Hospimax	Should be able to warm fluid/blood at a temperature range of <b>37-42c.</b>	May be Amended as: Should be able to warm fluid /blood at a temperature range of <b>37-40/42c.</b>
2	Pg 45,Para2	Should be able to maintain or warm the water/blood when at a flow rate of 2L/hr.	M/s Hospimax	Should be able to maintain or warm the water/blood when at a flow rate of <b>5L/hr</b>	May be amended as: Should be able to maintain or warm the water/blood when at a flow rate of 5L/hr.
			M/sAnaecon India Healthcare Pvt Ltd	Flow rate should be 5-6 ltr/hr for handling relatively large spectrum of patients requiring higher flow.	
3				As per Committee recommendation	BOQ to be added as per specification
4				As per prebid discussion	
5	Pg 45,Para4	Disposable tubing set for Fluid-200 Nos and for blood – 100 nos.	M/s Hospimax	Common Disposable tubing set for Fluid & blood- 300 Nos.	may be amended as: Disposable tubing set for Fluid-200 Nos and for blood – 100 nos. (price to be quoted seperately and should be freezed for warranty period)
			M/s Jolly, M/s Rohanika	As per prebid discussion	
6			M/s Hospimax	Points to be added: Equipment should meet all AABB standards for blood warming.	No change required
7			M/sAnaecon India Healthcare Pvt Ltd	Points to be added: 1.Device should be IPX4 certified for water splash proof safety of enclosure from water ingress. 2. Low warm up time around 45 secs.	No change required

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Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)					
NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 0 2-Cardiac Monitors (Mid End) with CNS (Rfx/Event number 3000002485 )					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 46,Para 4	Portable with weight less than 8 kgs including battery.	M/s GE	Portable with weight less than 10 kgs including battery.	May be amended as: Portable with weight less than 10 kgs including battery.
2	Pg 46,Para 6	Facility to monitor ECG, SpO2, NIBP, 2 IBP, Respiration, temperature (Single or combined module). and EtCO2.	M/s Masimo medical technologies Pvt. Ltd.	Masimo Rainbow SET Spo2 technology with PVI(Non-invasive fluid responsiveness) and Noninvasive Hemoglobin monitoring	No change required
3	Pg 46,Para 8	Facility to monitor last min 24 Hours or more graphical and numerical trends having options to select the items to be displayed in NIBP trend table.	M/s GE	Facility to monitor last min 72 Hours or more graphical and numerical trends having options to select the items to be displayed in NIBP trend table.	No change required
4	Pg 46,Para 14	Monitor should have the capability to connect with HIS and PACS compatible.		As per prebid discussion	No change required
5	Pg 46,Para 15	Valid European CE certificate with 4 digit notified body number or US FDA certified for the system.	M/s GE	Valid European CE certificate with 4 digit notified body number & US FDA certified for the system.	No change required
6			M/s Hospimax	Valid European CE and US FDA certificate for the system.	
7				As per Committee recommendation	BOQ to be added as per specification
8			M/s Hospimax	Points to be added: SPO2 measurement must be based on Nellcor / Masimo technology for all low perfusion cases.	No change required
9			M/s Hospimax	Points to be added: Sl. No. 25 IBP accessories, there is no mention for this in technical specifications	No change required









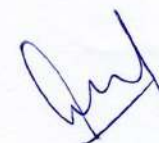










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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 03 Pulse Oximeter (Rfx/Event number 3000002486 )					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Page 47, para 7	Large bright TFT display (6 inch or more) readable from more than 6 feet distance		As per prebid discussion	No Change
2				As per prebid discussion	
3				As per Committee recommendation	BOQ to be added as per specification
4	Page 47, para 2	Continuous monitoring of SpO2 (arterial blood oxygen saturation) , pulse rate and signal strength (nellcor/masimo technology)	M/s Masimo medical technologies Pvt. Ltd.	Continuous monitoring of SpO2 (arterial blood oxygen saturation) , pulse rate and numerical index for perfusion levels (nellcor/masimo technology)	No Change
5	Page 47, para 4	Accuracy SpO2 : 70 to 100 % ( $\pm 3\%$ )	M/s Masimo medical technologies Pvt. Ltd.	Saturation Range : 60% to 80% - Accuracy when there is no Motion 3% Saturation Range : 70% to 100% <input checked="" type="checkbox"/> Accuracy when there is no Motion- 2% <input checked="" type="checkbox"/> Accuracy when there is no Motion- Neonates- 3% <input checked="" type="checkbox"/> Accuracy when there is Motion- 3% <input checked="" type="checkbox"/> Accuracy when there is Low Perfusion- 2%	No Change
6	Page 47, para 16	Equipment should have US FDA or European CE certificate with four digit notified body number.	M/s Masimo medical technologies Pvt. Ltd.	Equipment should have US FDA AND European CE certificate with four digit notified body number	No Change

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**Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)**

**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Schedule No. 0 5- Defibrillator (Rfx/Event number 3000002488 )**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 50, Para 1	The defibrillator should be least, lightweight, small size with bright colored display	M/s Aeon Medical	We request specifying the maximum permissible weight to qualify as a least and light weight device.	No change required
2	Pg 50, Para 2	The defibrillator should be Biphasic waveform with 3 wave form display with screen size minimum 6 inches diagonal	M/s Aeon Medical	Request permitting display sizes of minimum 5.7 inches diagonal, which is in line with the standard screen sizes in the industry.	The defibrillator should be Biphasic waveform with 3 wave form display with screen size minimum 5.7 inches diagonal
3	Pg 50, Para 5	In manual mode the unit should provide energy selection at (1-200) joules in multiple steps.			In manual mode the unit should provide energy selection at (2-200) joules in multiple steps.
4				As per prebid discussion	
				As per Committee recommendation	BOQ to be added as per specification
5	Pg 50, Para 6	It should have ability to measure chest compression rate and depth in real time with both visual & audible feedback and optional CPR index on screen.	M/s Aeon Medical	Kindly clarify if the optional parameter is perfusion index (mentioned as CPR index)? Further if SpO2 monitoring is a standard requirement, perfusion index would n integral part of it?	CPR and Perfusion index is different. Tender specification clearly defines what is standard and what is optional.
6	Pg 50, Para 8	The unit should do self-test daily with facility to give print out of defibrillator testing report and also have code ready indicator on unit.	M/s Aeon Medical	Kindly confirm that daily self-test is meant to automatic as a part of the daily functional test of the device. Kindly clarify if the device should have a printer? If no, request removal of any print output? Also, clarify that "code ready indication" is same as "ready for shock in defibrillation mode"?	Printout is already asked in the specification

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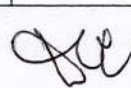




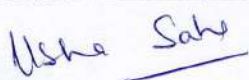

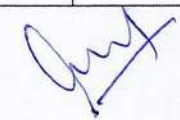
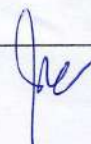

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	Pg 50,Para 9	It should have ability to filter out CPR artefacts and allowing person to see organized rhythms without interrupting chest compression	M/s Aeon Medical	Kindly clarify that this ability is meant as the adjustable operator setting for the Low Pass and High Pass filter settings of ECG signal, impendent of CPR.	Specification clearly defines the requirement.
8	Pg 50,Para 10	The defibrillator should have integrated facility to monitor following parameters	M/s Aeon Medical	Kindly reconfirm if the CPR feedback should also be mandatory or not?	Already defined in the specification in para 6
9	Pg 50,Para 11	Should have capability of internal defibrillation if and when required.	M/s Aeon Medical	Kindly clarify if the capability of the device would be demonstrated in the demo, even if internal paddles are not included to the scope of supply? Or mere manufacturer declaration would be acceptable?	Specification clearly defines the requirement.
10	Pg 50,Para12	The Equipment should have US FDA or European CE certificate with four digit notified body number.	M/s Hospimax	The equipment must be US FDA and European CE certificate with four digit notified body number. Same model must be sold in US market and it must have PMA certificate as per US-FDA requirement now for Defibrillator.	No change required
11	Pg 50,Para 13(b)	In addition to standard accessories following items have to be supplied with unit b) Multi-function Defibrillator/Pacing pads - 50 nos.	M/s Aeon Medical	The multi-function pads would have shelf life, hence request reconfirming the quanti specified?	May be amended as: b) Multi-function Defibrillator/Pacing pads/gel pads - 50 nos.
12			M/s Hospimax	Multi-FunctionDefibrillator/Pacing padz/ gel pad -50 nos	
13	Pg 50,Para 13(c)	c) SpO2 Probe - 2 Nos.	M/s Aeon Medical	Kindly clarify if the probes should be identical or one for adult and one for pediatric?	May be amended as: SPO2 probe - 2 nos (adult & pediatric 1 each)
14	Pg 50,Para 13	Reusable CPR feedback sensor/ or similar product reused at least on 90 patients – 2 nos.	M/s Aeon Medical	Kindly reconfirm does it mean CPR feedback sensors for 180 patients should be included to the scope of supply?	Specification clearly defines the requirement.



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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 06 Crash Cart (Rfx/Event number 3000002489)					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Page 51 & para 7	Cart should be light sturdy and scratch resistant	M/s Jolly, M/s Rohanika, M/s Arjohuntleigh, M/s Allied	As per prebid discussion	May be amended as: Cart should be light sturdy and scratch and dent resistant
2	Page 51 & para 8	All drawers should be lockable individually	M/s Jolly, M/s Rohanika, M/s Arjohuntleigh, M/s Allied	As per prebid discussion	May be amended as: All drawers should be lockable individually/central lock
3	Page 51 & para 9	Should have minimum of five drawers with adjustable divides	M/s Jolly, M/s Rohanika, M/s Arjohuntleigh, M/s Allied	As per prebid discussion	May be deleted
4				As per Committee recommendation	BOQ to be added as per specification
5	Page 51 & para 13	Size should be :- Height: 00 to 110 cm	M/s Jolly, M/s Rohanika, M/s Arjohuntleigh, M/s Allied	As per prebid discussion	Size should be :- Height: 100 to 110 cm













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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 07 Difficult Airway Cart (Rfx/Event number 3000002490)					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1				As per Committee recommendation	BOQ to be added as per specification
2				As per prebid discussion	Added para: Bidder should demonstrate the quoted model before the technical committee

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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 08 DVT Pump(Rfx/Event number 3000002491 )					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	page 53, para 3	Choice of three cuffs of universal size: Calf, thigh , foot	M/s Vishal surgicals, M/s Arjohuntleigh, M/s Devine	As per prebid discussion	May be amended as: Choice of three cuffs of universal size: Calf, thigh , foot (1 reusable each or 10 disposable each)
2	page 53, para 4	No DVT sleeves should be required below cuffs.	M/s Vishal surgicals, M/s Arjohuntleigh, M/s Devine	As per prebid discussion	May be deleted
3				As per Committee recommendation	BOQ to be added as per specification
4	page 53, para 5	Should deliver constant pre-set pressure ranges – Distal 40-160 mmHg	M/s Vishal surgicals, M/s Arjohuntleigh, M/s Devine	As per prebid discussion	May be amended as: Should deliver constant pre-set pressure ranges – Distal 40-130 mmHg






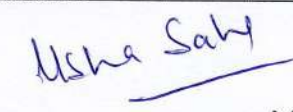
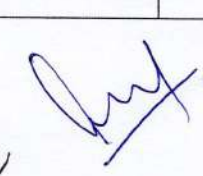
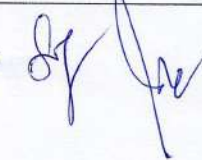










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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 09- ECG Machine (Rfx/Event number 3000002492)					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 54,Para 1	Twelve channel LCD display of min 5.5" or above for all 12 leads along with on screen details.	M/s Rohanika electronics	Twelve channel LCD display of min 3.0' or above for all 12 leads along with on screen details.	No change required
2	Pg 54,Para 12	Equipment should have US FDA or European CE certificate with four digit notified body number	M/s GE	Mere CE ensure Electrical safety, but not the quality of Product.USFDA and CE together ensures the quality and accuracy of the product and hence the quality of diagnosis that supports the better clinical decision making	No change required
3	Pg 54,Para 7	Patient memory function, up to 30 patients	M/s GE	Machine should have at least 200 ecg storage	No change required
4	Pg 54,Para 10	Mains and in built rechargeable battery	M/s GE	Battery back up should support atleast 150 ECGS	May be amended as: Mains and in built rechargeable battery backup atleast 2 hrs/ 30 ECG
5				As per Committee recommendation	BOQ to be added as per specification
6			M/s GE	<b>Points to be added:</b> should have facility to transfer ecg through Wifi internet (FTP) to a networked PC, this helps in transferring the ECGs from remote locations or ambulance to the PC in main hospital	No change required
7			M/s GE	<b>Points to be added:</b> machine should have higher sampling rate of at least 15000 samples/sec/channel and 75000samples/sec for pacemaker detection. Higher sampling rate required for quality ECG acquisition.	No change required







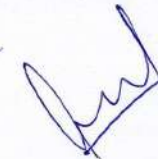











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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018

Schedule No. 10- Syringe Infusion Pump (Rfx/Event number 3000002493)

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 55, Para 15	Docking Station with communication facility to connect it to the charting system for at least four pumps as per requirement so as to enable to power up to 4 pumps with one power cord and fixing the pump in the station when mounted on IV pole.	M/s Rohanika electronics	Docking Station with communication facility for at least 03 pumps as per requirement so as to enable to power up to 3 pumps with one power cord and fixing the pump in the station when mounted on IV pole.	May be amended as: Docking Station with communication facility to connect it to the charting system for at least <b>three pumps</b> as per requirement so as to enable to power up to 3 pumps with one power cord and fixing the pump in the station when mounted on IV pole.
2			M/s BD India Pvt.Ltd.	Docking station with communication facility to connect it to the charting system for atleast <b>Three pump</b> as per requirement so as to enable to power up to <b>3 pumps</b> with one power cord and fixing the pump in the station when mounted on IV pole	
3				As per Committee recommendation	BOQ to be added as per specification
4				As per prebid discussion	
5	Pg 55, Para 16	It should be HL 7 compliant and the necessary protocol required for connecting it with the charting system should be provided.	M/s Rohanika electronics	The pump with docking station must be HL 7 ready for possible connection to HIS	No change required



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**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Schedule No. 011 High Frequency Ventilator (Rfx/Event number 3000002494) -**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 56, Para 7	Capable of providing: a. PIP : 0-60 cm water		As per prebid discussion	May be amended as: Capable of providing: a. PIP : 5-60 cm water
2	Pg 56, Para 13	Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO2 high/low, high PIP, low PEEP/CPAP, CO2 alarm, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book ,Tables and Trends of Two days should be available.	M/s Drager	Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO2 high/low, high PIP, low PEEP/CPAP, CO2 alarm, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book ,Tables and <b>Trends of 24 hours or more should be available</b>	May be amended as: Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO2 high/low, high PIP, low PEEP/CPAP, CO2 alarm, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book ,Tables and <b>Trends of 24hrs should be available.</b>
3	Pg 56, Para 22	Should be supplied with ultrasonic nebulizer which should have capability to deliver particle size of < 3 micron and to be used in both off and on line with ventilator.	M/s Drager	Should be supplied with <b>inline</b> nebulizer which should have capability to deliver particle size of < 3 micron and to be used in both off and on line with ventilator.	Should be supplied with <b>inline</b> nebulizer which should have capability to deliver particle size of < 3 micron and to be used in both off and on line with ventilator.
4	Pg 57, Para 24(b)	Ultrasonic Nebulizer	M/s Drager	<b>Inline</b> Nebulizer	May be amended as: Inline Nebulizer
5				As per Committee recommendation	BOQ to be added as per specification
6	Pg 57, Para 23 (h)	23. Settings range: h. Base Flow (VIVE) 1 to 30 LPM	M/s GE	We humbly request to Remove this point, as this is Company specific	May be deleted



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**Schedule No. 12 - PATIENT WARMING SYSTEM (Rfx/Event number 3000002495) )**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 58,Para 2	Should consist of active warming arm-cum-shoulder section, pair of leg segments and abdominal segment of cover the entire body.	M/s Rohanika electronics	Should consist of active warming blankets for arm- cum-shoulder section, leg segments abdominal segments and full body and under body in OT.	No change required
2				As per prebid discussion	
3	Pg 58,Para 3	Should be based on semiconductor /carbon fibre polymer foil for precise warming of entire patient body during & after surgery.	M/s Hospimax	It should be microprocessor based handy and with accurate temperature sensor system	No change required
4	Pg 58,Para 5	Control unit should be capable of warming minimum two segments at a time.	M/s Hospimax	Control unit should be capable of warming whole blanket	No change required
5	Pg 58,Para7	Control unit should have touch screen /key pad display to select & display temperature of all segments at a time.	M/s Hospimax	Control unit should have key pad display to select and display patient end temperature of all segments at a time	No change required
6	Pg 58,Para 8	Control unit should automatically detect the number of segments which are connected to the unit and display the same on the screen.	M/s Hospimax	Point should be deleted	May be deleted
7			M/s Rohanika electronics	A minimum of 2 blankets to be activated through the control unit simultaneously.	
8	Pg 58,Para 9	Should offer precise digital temperature control with selectable temperature range of 37 to 40°C in steps of 0.1°C	M/s Hospimax	Should offer precise digital temperature control with selectable temperature range of 32 to 43 C in steps of 0.1C	No change required
9	Pg 58,Para 10	Should have facility to measure & display the real time core body temperature of the patient continuously on the screen.	M/s Rohanika electronics	Should display set & achieved temperature of blanket.	No change required
10	Pg 58,Para 11	Should also have on screen graphical/digital display of patient body temperature for the entire duration of surgery.	M/s Hospimax	Should also have an screen digital display to patient end temperature for the entire duration of surgery	No change required
11			M/s Rohanika electronics	Should display set & achieved temperature throughout the entire duration surgery.	



	Pg 58, Para 12	Should have a provision to connect whole body blanket, paediatric size blanket, jelly based warming mattress / pad to the same control unit for future requirement.	M/s Hospimax	Should have a provision to connect whole body blanket, (pediatric and adult ).	Should have a provision to connect whole body blanket, (pediatric and adult ).
13	Pg 58, Para 14	14. Should have non latex anti-bacterially coated, blood and fluid Resistant, washable and replaceable covers	M/s Hospimax	It should have a washable protective hosecover and blanket should have durable material which should be resistant to tears, punctures and fluids	14. Should have blood and fluid Resistant, washable and replaceable covers
14	Pg 58, Para 16	16. It should be USFDA / European CE Certified with 4 digit notified body number.	M/s Hospimax	It should be USFDA and European CE Certified with 4 digit notified body number	No change required
15		17. Machine should be supplied with:			
16				As per Committee recommendation	BOQ to be added as per specification
17		a. Adult Full Body Blanket – 10 nos. b. Pediatric Full Body Blanket – 5 nos. c. Adult upper & lower body blanket – 10 nos. each	M/s Rohanika electronics	a) Reusable adult full body blanket (carbon fibre) 01 no with washable cover 02 nos. b) Reusable paediatric full body blanket (carbon fibre) 01 no with washable cover 02 nos. c ) Reusable arm & waist blanket 01 no with washable cover 02 nos. d) Reusable under body blanket for use in OT 01 no with washable cover 02 nos	May be amended as: a. Adult Full Body Blanket – 3 nos. b. Pediatric Full Body Blanket – 2 nos. c. Adult upper & lower body blanket – 3 nos. each

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NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 13 -Suction Machine (Portable) Rfx/Event number 3000002496 )					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 59,Para 2	Auto cut of device of preventing entry of fluid in pump.	M/s Aeon Medical	Request clarifying any other safety technology protecting / bypassing the pump would be acceptable.	No change required
2	Pg 59,Para 4	Easy access and controls	M/s Aeon Medical	Kindly clarify if foot control for switching on / off and vacuum regulation is desired or not?	No change required
3				As per Committee recommendation	BOQ to be added as per specification
4				As per prebid discussion	
5	Pg 59,Para 5	It should be heavy duty and noiseless, with piston/cylinder technology.	M/s Aeon Medical	Request specifying the maximum permitted noise level of the device as well as the maximum power consumption?	No change required

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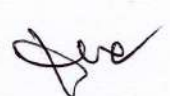

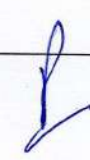

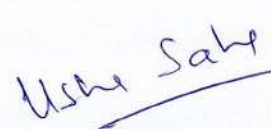

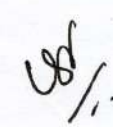




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Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)					
NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 13 -Thromboelastometer (Rfx/Event number 3000002498)					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Page 61, para 6	Such equipments which have the technology for consumables to be reused multiple times without incurring any additional cost will be considered.	M/s Hospimax	As per prebid discussion	May be deleted
2				As per prebid discussion	
3				As per Committee recommendation	BOQ to be added as per specification
4	Page 61, para 9	The list and cost of consumable/accessories to be quoted separately in price bid.		As per prebid discussion	Machine should be supplied with standard accessories for installation and initial functioning. The list and cost of consumable/accessories to be quoted separately in price bid.

**Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)**

**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Schedule No. 16 -Transport Cardiac Monitor (Rfx/Event number 3000002499)**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 62,Para 1	High – resolution colour TFT display of minimum 8" or more	M/s GE	High – resolution colour TFT display of minimum 10" or more	Note: TSEC Recommends to drop this item as the same is being procured with Paperless Critical Care & Anaesthesia Solution which will meet the requirement.
2	Pg 62,Para 3	Should be able to monitor ECG, NIBP, 2 IBP, SpO2. Temperature and Respiration	M/s Aeon Medical	Kindly clarify, if ECG monitoring should be available only for the unipolar or bipolar leads or should be available simultaneously with the option of 12 Lead as well? Since 2xIBP is specified, request clarifying if the temperature should be dual temperature? Also, clarify if the following monitoring are desired or not? <input checked="" type="checkbox"/> CO2 monitoring is desired or not? <input checked="" type="checkbox"/> CPR feedback (being a transport monitor)	
3	Pg 62,Para 4	Plethysmograph with perfusion indicator	M/s GE	Plethysmograph with Pulse Rate	
4	Pg 62,Para 5	Monitor should be at least three channel	M/s GE	Monitor should be atleast six channel	
5	Pg 62,Para 8	Suitable for Adult / paediatric / neonate	M/s Aeon Medical	Kindly confirm that "/" is to be understood a "and".	
6	Pg 62,Para 10	Should have inbuilt two channel recorder	M/s Aeon Medical	Kindly clarify what exactly is	
7	Pg 62,Para 14	Should be supplied with: 3 lead ECG cable - 1 no, Reusable SpO2 (adult, paediatric, neonate) sensor - 1 no each, NIBP cuffs (Adult, child and neonate ) - 2 nos each, IBP cable - 1 no	M/s Aeon Medical	Kindly clarify the ECG cable type based on the response to sl. no. 3 above.	
8	Pg 62,Para 15	Equipment should have US FDA or European CE certificate with four digit notified body number.	M/s GE	Equipment should have US FDA & European CE certificate with four digit notified body number.	
9				As per Committee recommendation	
10	Pg 62,Para 16	Product should preferably have Airworthiness RTCA DO-160 D and Vibration standard MIL STD 810F, method 514.5 certifications. (Certificate to be submitted)	M/s Aeon Medical	Kindly specify if these requirements are mandatory or not?With effect from June 22, 2011, RTCA DO-160D stands cancelled and the current applicable version 160G may kindly be specified. The latest MIL-STD-810G is a revision of MIL-STD-810F and 810E. The tests and methods are basically the same but much of the standard has been rewritten to provide clearer direction. Further 514.5 only specifies the test method for vibration and not the other parameters. Please confirm that certificates in this context would be test reports from the designated third party laboratories.	

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**Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)**

**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Schedule No. 17 -TRANSPORT VENTILATOR (Rfx no.Rfx/Event number 3000002500) )**



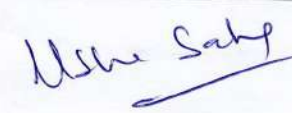

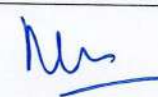



Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 63,Para 1	Should be time-cycled volume constant ventilator operating on mains, battery or ambulance/car battery. Battery backup should be for minimum of 4 h	M/s Hospimax	Should be time –cycled volume constant ventilator operating on <b>pneumatic /mains /battery</b> or ambulance/car battery. Battery backup should be minimum of 4 hours	No change required
2			M/s Rohanika electronics	Should be time-cycled volume constant ventilator operating on TURBINE BASED ventilator operating on mains, battery or ambulance/car mains.Battery backup should be for Battery backup should be for minimum of 4 hours	
3	Pg 63,Para 2	Ventilator should be of low weight (not more than 8 kg)	M/s Drager	A transport Ventilator should be of low weight <b>(not more than 5 kg)</b>	No change required
4			M/s Hospimax	Ventilator should be of low weight (not more than <b>2.5 Kg</b> )	
5	Pg 63,Para 3	Should have integrated LCD display for display of set and expired data as below	M/s Hospimax	Should have integrated <b>Numeric Analog /</b> LCD display for display of set and expired data as below	No change required
6	Pg 63,Para 3	o Tidal volume : 50ml - 2 litres	M/s Hospimax	It should have <b>tidal volume :70 MI -1500ML</b>	No change required
7			M/s Aeon	As specified for "Item No. 16 (Rfx/Event number 3000002499)" please clarify if usage on neonates would be required or not, because these devices mostly used in conjunction. If required, kindly reconfirm the lower tidal volume limit	
8	Pg 63,Para 3	o Rate: 2 - 50 breaths/min	M/s Aeon	If neonatal application is required, kindly reconfirm of the breathing frequency specified?	No change required
9	Pg 63,Para 3	o Flow trigger: 3 - 15 lpm	M/s Aeon	If the device would have flow triggering kindly clarify what should be the range of base flow. Additionally, for all the pressure modes a pressure trigger function independent of the flow triggering is also required or not?	No change required
10	Pg 63,Para 3	FiO2 : 40% or 100%	M/s Hospimax	It Should be .Flo2:40% or 100%	FiO2 : 21% - 100% and variable
11			M/s Aeon	A transport ventilator (not a typical emergency ventilator) with an estimated internal battery backup time of 4 hours and having weaning modes like SIMV, CPAP and function of pressure support should have seamless adjustment as well as display of FiO2 from 21% to 100% (40% and 100% settings are typical of emergency / ambulatory ventilators)	

Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)

NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018

Schedule No. 19 - Ventilator Machine (Rfx/Event number 3000002503)

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 65, Para 4	Should have the following modes of ventilation Pressure Regulated Volume Control with ondemand flow (PRVC)	M/s Drager	Pressure Regulated Volume Control with on demand flow ( PRVC)/APV/Autoflow or equivalent	No change required
2	Pg 65, Para 4	Should have the following modes of ventilation Volume Support	M/s Drager	Volume Support is a spontaneous ventilation mode only. <b>Advanced Ventilation Modes</b> like volume support / APRV/ASV should be there in a dedicated ICU ventilator.	No change required
3		Points to be added in Para 4	M/s Drager	Additional Point: Should have Closed loop/Automatic weaning modes like Intelli ASV/Automode/MMI pr equivalent.	No change required
4			M/s Aeon	We request permitting devices with minimum 8" screen.	No change required
5	Pg 65, Para 7	7. 12" Colour Touch Screen TFT user interface screen. It should be possible to display at least three types of waveforms & two loops for each breath Access through touch screen & Direct access to vital settings: PEEP, O2 concentration, Respiratory rate & Volume (or Pressure).	M/s GE	Atleast 15" Colour Touch Screen TFT user interface screen. It should be possible to display at least three types of waveforms & two loops for each breath Access through touch screen & Direct access to vital settings: PEEP, O2 concentration, Respiratory rate & Volume (or Pressure).  <u>Justification:</u> - Should be >15 inch display for having clear visibility and to reduce caregiver's stress factors. All leading ventilator manufacturers have been migrated from 12 inch to 15 inch display for this reason.	
6	Pg 65, Para 16	A minimum of 5 nos. flow sensors should be supplied with the ventilator.	M/s GE	A minimum of 5 nos. flow sensors should be supplied with the ventilator or 3 nos (One on use, 2nd ready for use as standby after sterilization. 3rd with CSSD for sterilization purpose) permanent sensor which should be covered under warranty	No change required
7			M/s Rohanika electronics	A minimum of 5 nos. flow sensors should be supplied with the ventilator if external otherwise it should be cover under warranty.	



Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)

NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018

Schedule No. 20 CPAP-BIPAP Machine (Rfx/Event number 3000002504)

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Page 67, para 1.a	IPAP: 4 to 25 cm	M/s Philips	As per prebid discussion	May be amended as:
2	Page 67, para 11	Battery backup of 1 hour or more	M/s Philips	As per prebid discussion	IPAP: 4 to 20 cm
3				As per prebid discussion	May be deleted
4				As per Committee recommendation	BOQ to be added as per specification

Schedule No. 4 Cardiopulmonary Exercising Test Machine (Rfx/Event number 3000002487)

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1				As per prebid discussion	
2				As per Committee recommendation	BOQ to be added as per specification

Schedule No. 14 Spirometer Digital (Rfx/Event number 3000002497)

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1				As per prebid discussion	
2				As per Committee recommendation	BOQ to be added as per specification




























Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)					
NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018					
Schedule No. 21 - Volumetric Pump (Rfx/Event number 3000002505)					
Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 68, Para 3.3	Data entry calculator style alpha numeric programming keyboard	M/s Rohanika Electronics	Data entry calculator style alpha numeric programming keyboard / touch screen	May be amended as: Data entry calculator style alpha numeric programming keyboard/any keyboard/touch screen
2	Pg 68, Para 3.12	It should be HL 7 compliant and it should be able to connect with the charting system. Necessary protocol/codes required for this should be provided.	M/s Rohanika Electronics	Delete	No Change
3				As per Committee recommendation	BOQ to be added as per specification
4				As per prebid discussion	
5	Pg 68, Para 4.1	"Compatible with any standard (PVC) infusion sets available in local Indian market."	M/s Rohanika Electronics	Compatible with PVC pump sets available in India	No Change



**Response To Pre-Bid Queries (Pre-Bid date: 16.02.2018)**

**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Schedule No. 22 - PATIENT TRANSFER SYSTEM ( Rfx/Event number 3000002507 )**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	REPRESENTATION RECEIVED FROM THE FIRMS	TSEC RECOMMENDATION
1	Pg 69,Para i	i. The electronically operated mobile floor mounted automated patient transfer system should have following features so that it is easy to shift patient from bed to operation theatre or vice versa and should be suitable to any patient admitted to any specialty including oncology patients operated or bed ridden due to disease condition.	ArjoHuntleigh Healthcare India Pvt. Ltd.	The electronically operated mobile floor mounted Heavy duty hoist for use in hospital for shifting/lifting patients from bed, bath and floor with fully dependants patients. Also should have weighing scale for patient weight.	Amended As: i. The electronically operated mobile floor mounted patient lifter system should have following features so that it is easy for shifting/lifting patients from bed, bath and floor with fully dependants patients or vice versa and should be suitable to any patient admitted to any specialty including oncology patients operated or bed ridden due to disease condition.
2	Pg 69,Para ii	ii. Height: Min 27" (67cm), max 42" (104cm) or better	ArjoHuntleigh Healthcare India Pvt. Ltd.	Amend as minimum lifting height 24" (63cm) and max patient lifting height 78" (200cm) .	May be Deleted
3	Pg 69,Para iii	iii. Length: 82" or better	ArjoHuntleigh Healthcare India Pvt. Ltd.	Amend as Length: 50" or better.	May be Deleted
4	Pg 69,Para v	v. Width: 92 cm or less.	ArjoHuntleigh Healthcare India Pvt. Ltd.	Amend as width leg open 92cm & width leg close 62cm.	Amended As: Leg Open width 92 cm or less
	Pg 69,Para v	vi. Weight of Equipment: 210 kg or lesser	De Ash (Hill Rom)	As discussed in prebid meeting	May be Deleted
5	Pg 69,Para vii	vii. Length of transfer surface: 73" (185cm) or better.	ArjoHuntleigh Healthcare India Pvt. Ltd.	Height of chassis 110mm.	May be Deleted
6	Pg 69,Para ix	ix. There should be revolving transfer belts which enable single operator to transfer the patient with no manual handling which the hazard to operators and other staff is reduced besides painless patient handling during patient transfer which is a routine in any hospital when patient admitted with severity of disease.	ArjoHuntleigh Healthcare India Pvt. Ltd.	Need To be deleted.	Amended As: There should be revolving sling bar which enable single operator to transfer the patient when patient admitted with severity of disease.
7	Pg 69,Para x	x. The system should have wheel breaks on atleast 2 wheels and there should be directional lever, to enable movement of the system form one area in hospital to another area as required and there should be side retraction rails which is for patient safety.	ArjoHuntleigh Healthcare India Pvt. Ltd.	Should have low friction Rear wheels 125 mm with brakes. Front twin wheels 75 mm with ball bearing for easy maneuverability.	Amended As: The system should have wheel breaks on atleast 2 wheels and there should be directional lever, to enable movement of the system form one area in hospital to another area as required.
8				As per Committee recommendation	BOQ to be added as per specification
9	Pg 69,Para xii	xii. It should have manual override facility.	ArjoHuntleigh Healthcare India Pvt. Ltd.	Should have Emergency Stop and system failure override.	Amended as: It should have manual override facility./ Emergency Stop and system failure override in case of battery failure.



**Response To Pre-Bid Queries (Pre-Bid date: 16.02.2017) - Commercial**

**NIB Ref: HITES/PCD/NCI-AIIMS/11/17-18 Dated: 05.02.2018**

**Items: Defibrillator, Portable Suction Machine, Transport Cardiac Monitor, Transport ventilator and Ventilator Machine**

Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	QUERIES/CLARIFICATIONS ASKED BY THE FIRMS	RESPONSES TO FIRMS BY TSEC
1	PAGE-34, GIB Clause 21.1 Payment Terms	On delivery: 75% payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents. b) On Acceptance: Balance 25% payment would be made against "Installation and Acceptance Certificate" of goods to be issued by the End User subject to recoveries.	M/s AEON MEDICAL PVT. LTD.	<b>Query:</b>  a) Request confirming that "paid of receipt of goods" would not be more than "15 days from the date of delivery".  b) Request confirming that in case of any delays to installation and commissioning for reasons beyond the supplier the payment would be effected within "30 days from the date of delivery".	It is clarified that generally payment does not get delayed beyond 15 days of submission of relevant documents.
2	PAGE-36, GIB: 21.2 Terms of payment for imported goods	3. Irrevocable & non-transferable LC shall be opened by the Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser, the charges thereof shall be borne by the supplier. 4. The payment shall be made in the currency/currencies authorised in the contract.	M/s AEON MEDICAL PVT. LTD.	<b>Query:</b>  Request specifically confirming that domestic bidder offering imported goods (which are neither indigenous Goods (M&E) nor foreign origin goods located within India) can also get the payment through an inland letter of credit payable in Indian Rupee.	No change considered.
3	PAGE-72, SECTION - VIII, QUALIFICATION CRITERIA	2 The bidder should have supplied and installed the following quantity in last Five years from the date of Bid Opening, similar equipment meeting major parameters of technical specification which is functioning satisfactorily: a. One single order covering at least 80% of the tendered quantity. or b. Two single orders covering at least 50% in each order of the tendered quantity. or c. Three single orders covering at least 40% in each order of the tendered quantity.	M/s AEON MEDICAL PVT. LTD.	<b>Query:</b>  Request specifically confirming that medical devices supplied as a part of any turnkey contract would also be accepted as valid qualification criteria.	It is clarified that evidence of details as per required 'Qualification Criteria' are available in submitted document.

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(A.K. Sharma)