

Amendment No. 2**09.03.2018****Sub: Amendment to the Bidding Document****Ref.: Notice Inviting Bid ref. HITES/PCD/NCI-AIIMS/11/17-18 dated 05.02.2018 read with its Amendment No 1 dated 24.02.2018**

The following changes have been authorised and are being incorporated in the above referred Bidding Document.

SECTION - I**Existing:****NOTICE INVITING BIDS (NIB)**

Sl. no.	Rfx no.	Short Description of goods	Quantity	Bid Security (BS) (Rs.)	Tender Processing Fee incl. GST (Rs.)
16	3000002499	Transport Cardiac Monitor	30	1,80,000	3,540

Amended as:**NOTICE INVITING BIDS (NIB)**

Sl. no.	Rfx no.	Short Description of goods	
16	3000002499	Transport Cardiac Monitor	This tender/ item is cancelled and need not be quoted.

SECTION- VI**LIST OF REQUIREMENTS****Part I:****Existing:**

Sl. no.	Rfx/ Event number	Short Description of goods	Quantity	Warranty Period	CAMC period after warranty
16	3000002499	Transport Cardiac Monitor	30	05 years	05 years

Amended as:

Sl. no.	Rfx/ Event number	Short Description of goods	
16	3000002499	Transport Cardiac Monitor	This tender/ item is cancelled and need not be quoted.

**SECTION - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS**

A. TECHNICAL SPECIFICATION:**Item No. 1 (Rfx/Event number 3000002484)****Blood & Fluid Warmer**

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 45, Para1	Should be able to warm fluid /blood at a temperature range of 37-40c.	Should be able to warm fluid /blood at a temperature range of 37-40/42c.		
2	Pg 45, Para2	Should be able to maintain or warm the water/blood when at a flow rate of 2L/hr.	Should be able to maintain or warm the water/blood when at a flow rate of 5L/hr.		
3	Pg 45, Para4	Disposable tubing set for Fluid-200 Nos and for blood – 100 nos.	Disposable tubing set for Fluid-200 Nos and for blood – 100 nos. (price to be quoted separately and should be freezed for warranty period)		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Blood & Fluid Warmer with standard accessories	1	No
2			Disposable tubing set for Fluid	200	Nos
3			Disposable tubing set for blood	100	Nos

Item No. 2 (Rfx/Event number 300002485)**Cardiac Monitors (Mid End) with CNS**

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 46, Para 4	Portable with weight less than 8 kgs including battery.	Portable with weight less than 10 kgs including battery.		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Monitors as per specification	1	No
2			CNS + cabling (atleast 12 bed)	1	No
3			CNS + cabling (atleast 15 bed)	1	No
4			CNS + cabling (atleast 20 bed)	1	No
5			IBP cable	1	No
6			IBP disposable transducer	2	Nos
7			5 Leads ECG cable	2	Nos
8			Reusable Spo2 probe for Adult	2	Nos
9			Reusable Spo2 probe for Pediatrics	1	No
10			Reusable SpO2 extn Cable	2	Nos
11			Reusable NIBP cuff for Adult	2	Nos
12			Reusable NIBP cuff for Pediatrics	2	Nos
13			NIBP Hose	2	Nos
14			Core Temperature probe	1	No
15			Peripheral Temperature probe	1	No
16			ETCO2 sample line (if applicable)	10	Nos

Item No. 3 (Rfx/Event number 3000002486)**Pulse Oximeter**

Sl. No	Tender Page & Para	Existing	Amended As		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Pulse Oximeter as per specification	1	No
2			Reusable SpO2 sensors neonate, clip-on type.	2	Nos
3			Patient extension cable	2	Nos
4			Reusable SpO2 sensors(finger type) for children & adolescents	2	Nos

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

Sl. No	Tender Page & Para	Existing	Amended As		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Physiology test sytem as per Specification	1	No
2			Treadmill as per Specification	1	No
3			12 lead ECG CABLE	1	No
4			Gel	5	Bottles

Item No. 5 (Rfx/Event number 3000002488)**Defibrillator**

Sl. No	Tender Page & Para	Existing	Amended As
1	Pg 50,Para2	The defibrillator should be Biphasic waveform with 3 wave form display with screen size minimum 6 inches diagonal	The defibrillator should be Biphasic waveform with 3 wave form display with screen size minimum 5.7 inches diagonal

2	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.		
3	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.	b) Multi-function Defibrillator/Pacing pads/gel pads - 50 nos.		
4	Pg 50, Para 13(c)	c) SpO2 Probe - 2 Nos.	c) SPO2 probe - 2 nos (adult & pediatric 1 each)		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Defibrillator as per specification	1	No
2			Multi-function Defibrillator/Pacing pads/gel pads - nos	50	Nos
3			SpO2 Probe for adult	1	No
4			SpO2 Probe for pediatric	1	No
5			ECG Cable with all electrodes	1	set
6			Reusable CPR feedback sensor/ or similar product reused at least on 90 patients	2	Nos

Item No. 6 (Rfx/Event number 3000002489)

Crash Cart Trolley

Sl. No	Tender Page & Para	Existing	Amended As
1	Page 51 & para 7	Cart should be light sturdy and scratch resistant	Cart should be light, sturdy, scratch and dent resistant
2	Page 51 & para 8	All drawers should be lockable individually	All drawers should be lockable individually/central lock
3	Page 51 & para 9	Should have minimum of five drawers with adjustable divides	Deleted

4	Page 51 & para 13	Size should be :- Height: 00 to 110 cm	Size should be :- Height: 100 to 110 cm	
			Added Para:	
			BOQ	Qty/unit
1			Crash Cart as per specification	1
				UOM
				No

Item No. 7 (Rfx/Event number 3000002490)**Difficult Airway Cart**

Sl. No	Tender Page & Para	Existing	Amended As	
			Added Para:	
			Bidder should demonstrate the quoted model before the technical committee	
			BOQ	Qty/unit
1			Difficult Airway Cart with standard accessories as per specification	1
				UOM
				No

Item No. 8 (Rfx/Event number 3000002491)**DVT Pump**

Sl. No	Tender Page & Para	Existing	Amended As	
1	page 53, para 3	Choice of three cuffs of universal size: Calf, thigh , foot	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.	Deleted	
3	page 53, para 5	Should deliver constant pre-set pressure ranges – Distal 40-160 mmHg	Should deliver constant pre-set pressure ranges – Distal 40-130 mmHg	
			Added Para:	
			BOQ	Qty/unit
1			DVT Pump as per Specification	1
				UOM
				Nos

2		Three cuffs of universal size: Calf, thigh , foot (1 reusable each or 10 disposable each)	1	set
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Item No. 9 (Rfx/Event number 3000002492)

ECG Machine

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 54, Para 10	Mains and in built rechargeable battery	Mains and in built rechargeable battery backup atleast 2 hrs/ 30 ECG		
			Added Para:		
			BOQ	Qty/unit	UOM
1			ECG Machine with standard accessories as per specification	1	Nos

Item No. 10 (Rfx/Event number 3000002493)

Syringe Infusion Pump

Sl. No	Tender Page & Para	Existing	Amended As		
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.	Docking Station with communication facility to connect it to the charting system for at least three 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.		
2					
			Added Para:		
			BOQ	Qty/unit	UOM
1			Syringe Pump as per specification	1	No
2			Docking station	1	No

Item No. 11 (Rfx/Event number 300002494)**High Frequency Ventilator**

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 56, Para 7	Capable of providing: a. PIP : 0-60 cm water	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.	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 Trends of 24hrs should be available.		
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.	Should be supplied with inline 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	Inline Nebulizer		
5	Pg 57, Para 23 (h)	23. Settings range: h. Base Flow (VIVE) 1 to 30 LPM	Deleted		
			Added Para:		
			BOQ	Qty/unit	UOM
1			High Frequency Ventilator as per specification	1	No
2			Inline nebulizer	1	No
3			Humidifier as per specification	2	Nos
4			Air Compressor	1	No
5			Circuit support arm	1	No
6			Conventional reusable ventilation circuit.	2	Nos
7			Disposable conventional ventilation circuit	10	Nos
8			Circuit for reusable HF ventilation	1	No
9			Flow sensors	5	Nos

Sl. No	Tender Page & Para	Existing	Amended As		
10			Oxygen connecting hose	1	No
11			Air connecting hose	1	No
12			Test lung	1	No
13			Heater wire	3	Nos
14			Temperature probe	3	Nos
15			Expiratory valve	2	Nos
16			Nasal interface	3	Nos
17			Nasal mask (each of all sizes)	4	Nos each
18			Nasal prongs (each of all sizes)	4	Nos each
19			Bonnet (each of only preterm size)	2	Nos

Item No. 12 (Rfx/Event number 3000002495)

PATIENT WARMING SYSTEM

Sl. No	Tender Page & Para	Existing	Amended As		
1	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.	Deleted		
2	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.	Should have a provision to connect whole body blanket, (pediatric and adult).		
3	Pg 58, Para 14	14. Should have non latex anti-bacterially coated, blood and fluid Resistant, washable and replaceable covers	Should have blood and fluid Resistant, washable and replaceable covers		
4		a. Adult Full Body Blanket – 10 nos. b. Pediatric Full Body Blanket – 5 nos. c. Adult upper & lower body blanket – 10 nos. each	a. Adult Full Body Blanket – 3 nos. b. Pediatric Full Body Blanket – 2 nos. c. Adult upper & lower body blanket – 3 nos. each		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Patient Warming system as specified	1	No

2		Adult Full Body Blankets	3	No
3		Paediatric Full Body Blankets	2	No
4		Adult upper & lower body blanket	3	Nos each

Item No. 13 (Rfx/Event number 3000002496)

Suction Machine (Portable)

Sl. No	Tender Page & Para	Existing	Amended As		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Suction Machine with standard accessories as per specification	1	No.
2			Suction Jar(Plastic)	2	Nos.

Item No. 14 (Rfx/Event number 3000002497)

SPIROMETER

Sl. No	Tender Page & Para	Existing	Amended As		
			Added Para:		
			BOQ	Qty/unit	UOM
1			SPIROMETER with standard accessories as per specification	1	No.

Item No. 15 (Rfx/Event number 3000002498)

Thromboelastometer

Sl. No	Tender Page & Para	Existing	Amended As
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.	Deleted

Sl. No	Tender Page & Para	Existing	Amended As		
2	Page 61, para 9	The list and cost of consumable/accessories to be quoted separately in price bid.	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.		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Thromboelastometer with standard accessories as per specification	1	No.

Item No. 17 (Rfx/Event number 3000002500)

TRANSPORT VENTILATOR

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 63, Para 3	FiO2 : 40% or 100%	FiO2 : 21% - 100% and variable		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Transport ventilator with inbuilt battery as per specification	1	No.

Item No. 18 (Rfx/Event number 3000002502)

Vein Visualizer

Sl. No	Tender Page & Para	Existing	Amended As		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Vein Visualizer as per specification	1	No.

Item No. 19 (Rfx/Event number 300002503)**Ventilator Machine**

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 66,Para 19	In-line Ultrasonic Nebuliser with capability of producing < 3 micron drug particle. (Price to be quoted separately).	In-line Nebuliser with capability of producing < 3 micron drug particle. (Price to be quoted separately).		
2	Pg 66,Para 23	Should have stand alone medical grade air compressor of same make (Price to be quoted as separately).	Should have stand alone medical grade air compressor of same make (Price to be quoted as separately). It has to be driven by centralized compressed air. Primary driving source will be centralized compressed air and should have standby standalone compressor with auto changeover facility in case of piped air supply fails and vice versa.		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Ventilator Machine as per specification	1	No.
2			Auto cleavable silicon patient tubes for adult	1	Set
3			Auto cleavable silicon patient tubes for paediatric	1	Set
4			Disposable Adult circuits	10	Nos.
5			Disposable Paediatric circuits	5	Nos.
6			HME Filters	15	Nos.
7			Mask of 3 each Sizes (Large, Medium, Small).	2	Nos. each
8			Auto-clavable& Reusable Expiration Cassette /valves	2	Nos.
9			Flow sensors	5	Nos.
10			In-line Nebuliser	1	No.
11			Imported humidifier	1	No.
12			Medical grade air compressor	1	No.

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

Sl. No	Tender Page & Para	Existing	Amended As		
1	Page 67, para 1.a	IPAP: 4 to 25 cm	IPAP: 4 to 20 cm		
2	Page 67, para 11	Battery backup of 1 hour or more	Deleted		
			Added Para:		
			BOQ	Qty/unit	UOM
1			CPAP-BIPAP Machine with standard accessories as per specification	1	No.
2			Reusable Masks with all sizes (Oral & Nasal) small, medium, large	2	sets each

Item No. 21 (Rfx/Event number 3000002505)**Volumetric Pump**

Sl. No	Tender Page & Para	Existing	Amended As		
1	Pg 68, Para 3.3	Data entry calculator style alpha numeric programming keyboard	Data entry calculator style alpha numeric programming keyboard/any keyboard/touch screen.		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Volumetric Pump as per specification	1	No.
2			Infusion Set	20	Nos.
3			Mounting Clamp	1	No

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

Sl. No	Tender Page & Para	Existing	Amended As
1	Pg 69, Para 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.	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	Deleted
3	Pg 69, Para iii	iii. Length: 82" or better	Deleted
4	Pg 69, Para v	v. Width: 92 cm or less.	Leg Open width 92 cm or less
5	Pg 69, Para v	vi. Weight of Equipment: 210 kg or lesser	Deleted
6	Pg 69, Para vii	vii. Length of transfer surface: 73" (185cm) or better.	Deleted
7	Pg 69, Para 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.	There should be revolving sling bar which enable single operator to transfer the patient when patient admitted with severity of disease.
8	Pg 69, Para 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.	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.

Sl. No	Tender Page & Para	Existing	Amended As		
9	Pg 69, Para xii	xii. It should have manual override facility.	It should have manual override facility. Emergency Stop and system failure override in case of battery failure.		
			Added Para:		
			BOQ	Qty/unit	UOM
1			Patient transfer system as per specification	1	No

All other contents of the Bidding Document including terms & conditions remain unaltered.