Tender

# For

# Equipments required for Department of Anaesthesia

# At

# All India Institute of Medical Sciences, Jodhpur

NIT Issue Date	:	September 02, 2013.
Last Date of Submission	:	September 25, 2013 at 03:00 PM
Pre Bid Meeting	:	September 11, 2013 at 03:00 PM



All India Institute of Medical Sciences, Jodhpur Basni Phase - II, Jodhpur – 342005, Rajasthan Telefax: 0291- 2740329, email: <u>aoadmin@aiimsjodhpur.edu.in</u> <u>www.aiimsjodhpur.edu.in</u> All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute being established by Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed tenders for supply & installation of the following items at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

NIT No.	Item Description	Quantity	EMD
Admin/General/ 171/2013-	Anaesthesia Work Station	4	1,80,000
AIIMS.JDH			
Admin/General/ 172/2013-	Modular Multi Parameter ICU	11	1,80,000
AIIMS.JDH	Monitor with 2 Invasive Channels		
Admin/General/ 173/2013- AIIMS.JDH	Ventilator high end (ICU)	6	1,50,000
Admin/General/ 174/2013- AIIMS.JDH	Syringe Infusion Pumps	82	60,000
Admin/General/ 175/2013- AIIMS.JDH	Blood Gas Analyzer (ABG Machine)	1	18,000
Admin/General/ 176/2013- AIIMS.JDH	BiPAP Machine	3	12,000
Admin/General/ 177/2013- AIIMS.JDH	ECG Machine 12 leads	1	5,000
Admin/General/ 178/2013- AIIMS.JDH	Intermittent Pneumatic Compression Device	3	9,000
Admin/General/ 179/2013- AIIMS.JDH	Patient Warning System	2	5,000
Admin/General/ 180/2013- AIIMS.JDH	Crash Cart	4	2,000
Admin/General/ 181/2013- AIIMS.JDH	Multi Parameter Monitors for Ward	25	1,80,000

Quotation should be sealed and super-scribed with tender number and address to:

"Administrative Officer All India Institute of Medical Sciences, Jodhpur Basni, Phase-II Jodhpur-342005, Rajasthan".

The sealed quotations should reach the Institute, latest by September 25, 2013 at 03:00 PM and it will be opened on same day at 03:30 PM in the Project Cell, Resident Complex, AIIMS, Jodhpur of the Institute in the presence of the bidder(s) or their authorized representative(s), who will present at the scheduled date and time.

## Terms & Conditions:

 Preparation and Submission of Tender: The tender should be submitted in two parts i.e. Technical Bid and Financial Bid. The Technical Bid and the Financial Bid should be sealed by the bidder in two separate covers "Technical Bid for Tender for Supply of (Item Name)"and "Financial Bid for Tender for Supply of (Item Name)". Both Sealed Envelopes should be kept in a main/ bigger envelope super-scribed as "Tender for Supply of (Item Name)"

## 2. Earnest Money Deposit:

The EMD of the successful bidder shall be returned after the successful completion of contract / order and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts of EMD will be rejected.

The firms who are registered with National Small Industries Corporation (NSIC) / OR Small Scale Industrial (SSI) are exempted to submit the EMD (copy of registration must be provide along with)

- **3. Tender Fee:** Tender fee will be Non-refundable amount of one thousand (Rs. 1000/-) on each item.
- **4. Rate:** Rate should be quoted in Indian Rupees (INR) on DOOR Delivery Basis at AIIMS, Jodhpur, Rajasthan, Inclusive of all the Charges, with break-ups as:
  - Basic Cost.
  - VAT /CST as applicable.
  - Total Cost (F.O.R at AIIMS Jodhpur).
- **5. Validity:** The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.

In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

#### 6. Warranty / Guarantee:

#### 6.1 Guarantee / Warrantee Period: For the equipment value upto Rs. 5 Lakh

The Tenderers must quote for 2 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 3 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

## 6.2 Guarantee / Warrantee Period: For the equipment value above Rs. 5 Lakh

The Tenderers must quote for 5 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

7. Uptime guarantee: The firm should provide uptime guarantee of 95%

#### 8. Downtime penalty Clause

- a. During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handling over the unit to the Institute. If accessories / other attachment of the system are procured from the third party, then the vendor must produce cost of accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.
- b. The principals or their authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.
- **9. Delivery & Installation**: All the goods ordered shall be delivered & installed within 30 days from the date of issue of purchase order. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. The successful tenderer will also provide basic required training for supplied items.

If the supplier fails to delivered, installation and commissioning of the goods on or before the stipulated date, then a penalty at the rate of 2% per week of the total order value shall be levied subject to maximum of 10% of the total order value.

- **10. Performance Security:** The supplier shall require to submit the performance security in the form of irrevocable Bank Guarantee (BG) / or Fixed Deposit Receipt (FDR) issued by any Nationalised Bank for an amount of which is equal to the 10% of the order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation, Including CMC period.
- **11. Arbitration:** If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Secretary, Department of Legal Affairs. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated

under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1990 and the rule framed there under and in force shall be applicable to such proceedings.

- **12. Subletting of Work:** The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of AIIMS, Jodhpur, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.
- **13. Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by AIIMS, Jodhpur in that event the security deposit shall also stands forfeited.
- **14. Insolvency etc:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Jodhpur shall have the power to terminate the contract without any prior notice.
- **15.** Force Majeure: If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party hall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive.

Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.

## 16. Liquidated Damages

(i) The date of delivery of the store, stipulated in the acceptance of the tender should be deemed to be the essence of the contract and delivery must be completed not later than the dates specified therein. Extension will not be given except in exceptional circumstances. Should, however, deliveries be made after the expiry of contracted delivery period, without prior concurrence of the purchaser and be accepted by the consignee, such delivery will not deprive the purchaser of this right to recover liquidated damages under clause (ii) below.

(ii) Should the supplier fails to deliver the store or any consignment thereof within the period prescribed for delivery, the purchaser shall be entitled to recover 1 % of the value

of delayed supply for a period up to 4 (four) weeks and thereafter at the rate of 10 % of the value of the delayed supply for another 4 (four) weeks of delay. In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

### **17. Satisfactory Installation:**

Satisfactory installation / commissioning and handling over of the equipment mean the faultless functioning of the equipment for a minimum period of 30 days after satisfactory installation.

#### 18. Payment Term:

- 90% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the test report.
- Balance 10% of the order value shall be released after the submission of the performance security.
- **19.** Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.
- **20.** AIIMS Jodhpur reserves the right to ask the tenderers for submitting the sample of the item for which rates have been quoted, Technically Qualified Bidders may be asked to submit samples along with their quoted items no. and their firm name without indicating any prices before opening of Financial Bid to AIIMS, Jodhpur for Inspection.
- **21.** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.
- **22.** Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
- **23.** After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer
- **24.** Conditional bid will be treated as unresponsive and it may be rejected.
- **25.** The Institute reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).

#### 26. Applicable Law:

- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
- Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.
- The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the partied.
- Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

Supply, Installation and Commissioning of Equipment required in Anaesthesia Department

# Annexure-I

# **Technical Specification**

S.No	Item	Specifications 0	
1.	Anaesthesia	Compact three gas Anaesthesia workstation with an	4
	Work Station	integrated Ventilator for infants/pediatric to adult	
		patients, Airway Monitor and Anaesthesia Monitor	
		with a single power switch for the Workstation.	
		> The quoted model of Anaesthesia Workstation	
		should confirm CE standards, EN 60601-2-13	
		(Requirement for safety and essential performance	
		of anesthesia system) and US-FDA approved.	
		> The quoted model of Anaesthesia Workstation	
		should be from sole Manufacturers.	
		➢ Bidder must submit at least 5 user satisfactory	
		certificates from Central Government	
		Institutes/Hospitals, of the quoted model.	
		Technical Details:	
		1. Anaesthesia machine constructed from welded	
		tubular / epoxy powder painted steel.	
		2. Stainless steel top and at least 2 lockable	
		drawers and electrical outlet to be provided.	
		3. Should have large castor wheel with foot brake.	
		4. The system should have an inbuilt at least 90	
		minutes battery backup for anaesthesia machine,	
		ventilator, multipara monitor and Gas delivery	
		system.	
		5. The anesthesia system should have a integrated	
		passive scavenging system with pressure relief	
		valve.	
		6. In case of electricity and battery failure, manual	
		ventilation, gas and agent delivery should be	
		possible.	
		7. Gas Delivery System:	
		a. Should have pin index yokes for Oxygen &	
		Nitrous Oxide besides separate connection	
		for central gas supply for oxygen, Nitrous	
		Oxide and Air.	
		b. The machine should have separate colour	
		coded pressure gauges for cylinders &	
		A possible in positive for better visibility	
		Anaestiesia machine for better visionity.	
		interchangeable	
		d Having reservoir based audible and visual	
		oxygen failure alarm of at least 7 seconds	
		e. Dual cascaded flow meter for oxygen.	

nitrous oxide and single for compressed air,	
accurately calibrated with an accuracy of +	
2.5 % and range of at least 10 ltr./min.	
f. Emergency oxygen flow of at least 35-70 ltr /	
min with non lockable push button to be	
provided.	
g. Having mechanical hypoxic guard with	
automatic cutoff of N2O. There should be	
Oxygen flow of at least 200 ml, even below	
total 500 ml fresh gas flow with 23% oxygen	
concentration	
h. Oxygen flush at 30-70 L/min bypassing the	
vanorizer	
8 Flow Motor:	
a Dual cascade type flow meter types for	
a. Dual cascade type now includes for $\Delta r$	
b Electronic setting and Digital display of	
Ovugen Nitrous Air	
Vananizan	
. vaporizer	
a. Machine should have possibility to mount two	
interchangeschility	
Interchangeability.	
b. The vaporizer design should be maintenance	
free and should not require calibration for file	
ume.	
c. Vaporiser should have delivery range of 0 to 6 volume %.	
d. Having latest vaporizers for sevoflurane and	
Isoflurane; all should be temperature, pressure	
and flow compensated, with key filling	
arrangement and should be quick and mountable.	
e. Agent capacity should be minimum 225 ml of	
free volatile anesthetic agent.	
f. All sensor connection shall be internal to help	
prevent disconnection.	
10. Breathing System:	
a. Should have fresh gas de-coupled, Fully	
autoclavable semi closed circle absorber system	
b. Should have adjustable pressure relief valve	
from 5 to 75 mbar	
c. Should have change over from Spontaneous to	
Bag ventilation with single step.	
d. The work station should be supplied with at	
least 2 sets of closed circuit. system for adult	
and pediatric patients each.	
e. The work station should be supplied with at	
least 10 sets of Bains circuit and 10 sets of	
Jackson Rees circuits with masks for Pediatric	
patients.	
f. Should have an external fresh gas outlet for	

connecting Magill/ Bain's / Pediatric circuits.
g. There should not be any collection of condensed
water in breathing circuit.
h. Should be integrally fitted with at least 1.5 litre
capacity reversible capisters double chamber
type of CO <sub>2</sub> absorber system having provision
to hypess
The firm should regularly supply CO sheerbor
1. The first should regularly supply $CO_2$ absorber
soda lime for closed circuit system.
11. Anesthesia Ventilator:
a. Electronically controlled Pneumatically/
Electrically driven integrated anesthesia
Ventilator, should not require change of bellows
for adults and infants with integrated PEEP.
b. Ventilator should automatically compensate for
fresh gas by adjusting fresh gas flows for
changes in fresh gas flow, small system leak
changing lung compliance or compression
losses.
c. Facility to change I:E Ratio should be provided.
d. Alarming setting should be available for low and
high and tidal volume, minute volume airway
pressure and appea
e Modes: Volume controlled Pressure Controlled
Dressure Support /SIMV DS/ Manual/
Spontaneous
Spontaneous. $20, 1400, m1$
1. Hual volume : $20-1400$ ml
g. PEEP : 0-20 mbar
n. Breatning Frequency : up to 60 BPM
1. I E Ratio : 4:1 to 1:4
J. Inspiratory pause : 0-50% of Ti.
k. Frequency 1 to 60 1/min
: E=2:1 to 1:3
1. Should have Desflurane compensation.
m. Should be able to ventilate with atmospheric air,
in case of missing gases
12. Airway Monitoring.
a. Monitor should be with multi-parameter module
with minimum 15 inches colour TFT display
with 8 channels
b The monitor should not require any lengthy
start-up procedure or calibration. It should be
ready to monitor as soon as on / off switch is
ready to moment as soon as on / on switch is
presseu.
c. Should have 24 hours graphical and numerical
trend with split screen facility of all parameters
with at least 15 critical alarms summary.
d. Should be able to monitor and display all
parameters in single screen.
e. Integrated monitor for electronic monitoring and

display: Expiratory Tidal	Volume, Expiratory
Minute Volume, PEEP, F	eak & Mean and
Plateau airway pressure, Fre	equency, Waveform
display for Airway pressure,	FiO <sub>2</sub> Monitoring.
13. Alarm Limits & Alarms	
Adjustable high/low limit	s with audio and
visual alarms for: Tidal	Volume, Minute
Volume, Airway Pressure	(including stenosis
and disconnect), Insp Ox	ygen concentration,
Audio power supply fail a	larm, Fail to cycle
warning(apnoea).	
14. <b>Patient Monitor:</b> This sh	ould be integrated.
Screen size: Minimum 10	) inch or more, it
should be modular for	easy up gradation.
should be capable of monit	oring the following
parameters	
a ECG: Leads 3 to 5. Provisio	on for 12 lead ECG
along with print out facility	Protection from the
interference of electros	rgical apparatus
Waveform- ECG or SpO <sub>2</sub> sel	ectable Arrhythmia
Detection Heart rate detection	on from ECG/Pulse
Auto change	
<b>b SpO</b> <sub>2</sub> Range: from 0 to 100 <sup>o</sup>	(accuracy + 2%)
Sensitivity should be good	waveform: $FCG$ or
$SpO_{2}$ selectable/Auto change	Should be supplied
with proper probes (10 e	ach) for neonatal
Pediatric and adult patients	<b>ten</b> ) for neonatal,
c <b>NIRP</b> • Range: neonate/nediat	ric to adult Modes.
Auto/Manual Numeric	display: Systolic
Diastolic Mean Should be s	upplied with proper
size <b>5 cuffs</b> each for Neonat	al. Pediatric. Adults
(Arm and Thigh Cuffs) and E	xtra Large for obese
natients	lui Luige for obese
d <b>IBP</b> : Provision of <b>t</b>	vo simultaneous
measurement of IBP. Displ	av Waveform and
numeric. 50 universal tran	sducer sets to be
supplied	
e <b>Temperature</b> Dual Temp	erature Monitoring
(Core and Skin) with sensor c	able and probes
f ETCO: Infra Red Side St	ream Analyzer for
$CO_2$ Canable of monitoring	ETCO <sub>2</sub> of intubated
natient Display. Waveform a	nd Digital Range 0
to 15 Vol% or 0 to $15kPa$ or 0	to 113 mmHg
$\sigma$ Angesthetic Agent Monit	ring. To include
automatic agent analysis for N	$J_{20} M_{AC}$ value of
Anaesthetic agents with 200	sampling lines and
50 water traps	sampning miles and
h Angesthesig Donth Moni	toring Rispectral
Index (RIS) / Entropy by just	adding the Module
50 sensors for adult patients	
JU SUBSUIS IOI adult patients.	

		<ol> <li>Neuro-Muscular Transmission Monitoring (NMT) with required accessories for 50 patients.</li> <li>J. Upgradable for Cardiac output monitoring.</li> <li>Alarms: Asystole, Arrhythmia, Leads off, SpO<sub>2</sub> probe lisconnection, BP Cuff occlusion, Apnea, ETCO<sub>2</sub> Alarm.</li> <li>General Conditions         <ol> <li>Should enclose compliance statement.</li> <li>Should have service facility in the same place as the respective institute.</li> <li>Must submit printed catalogue and technical data sheet to substantiate the offer.</li> <li>All imported components like machine monitor and ventilator should be from one manufacturer/ principal.</li> <li>Any misinformation regarding the specification of the equipment offered would mean outright technical rejection.</li> <li>Demonstration of the equipment is mandatory.</li> <li>Universal Pipeline connections for all three gases.</li> <li>One complete set to be quoted with no alternative options.</li> <li>The warranty will be for the main equipment along with accessories from the date of satisfactory installation issued by user.</li> <li>Any misinformation regarding the specification of the equipment offered would mean outright technical rejection.</li> </ol> </li> </ol>	
2. M Pa M 2	odular Multi arameter ICU onitor with Invasive	major hospital. Monitor should be modular having mandatory monitoring of <b>ECG</b> , <b>NIBP</b> , <b>SPO2</b> , Respiration, Temperature (2 channel), ST Segment, arrhythmia analysis and <b>Two (2) IBP</b> monitor (simultaneous display).	11
Cł	hannels •	<ul> <li>It should be supplied with stable, adjustable wall mounting stands.</li> <li>Should have Large 15" or more colour TFT display with touch screen and should display at least 8 waveforms with different colour coding.</li> <li>Facility for upgradation with separate modules for Minimally Invasive Continuous Cardiac Output.</li> </ul>	

Bispectral Index (BIS), Neuromuscular transmission (NMT), Spirometry, EtCO <sub>2</sub> (sidestream) <sub>,</sub> ScVO <sub>2</sub> and EEG by just adding the <b>Interchangeable Modules</b> .
• Should be suitable for adult, pediatric & neonatal usage.
<ul> <li>Should have respiration rate measurement using impedance method</li> </ul>
<ul> <li>Should use oscillometric technology for NIBP Measurement with selectable manual, automatic (1-480 mins).</li> </ul>
• Should have 72 hrs of trend facility for all parameter and critical alarm events recall for at least 60 alarms events
<ul> <li>Wireless monitoring of the patient, ie patient should be able to move around freely and still monitored for ECG, NIBP and Oxygen saturation (Optional)</li> </ul>
• Should have graded and colour coded audio-visual alarm for all parameters for all parameters.
• Should have facility to enter patient information in the monitor for records and management
Should have nurse call function
• Should be easy to operate using a single jog dial.
• Should have inbuilt battery back up upto 6 hrs
• Should have facility for wireless connectivity with central station monitor (optional)
Should confirm to international safety standards - USFDA and CE for medical equipment.
ECG:
<ul> <li>Lead I. II. III.</li> <li>Protection from the interference of electrosurgical apparatus</li> <li>Five (5) Lead and Three (3) Lead adjustable patient cable</li> <li>Arrhythmia Detection</li> <li>Heart rate detection from ECG/Pulse Auto change.</li> </ul>
SpO <sub>2:</sub>
$\blacktriangleright$ Range: from 0 to 100%

	Accuracy: $\pm 2\%$ Waveform: ECG or SpO <sub>2</sub> selectable/Autochange Should be supplied with proper probes for neonatal, Pediatric and adult patients.	)
NIBP:		
$\triangleright$	Range: neonate/pediatric to adult	
$\checkmark$	Modes: Auto/Manual	
$\triangleright$	Numeric display: Systolic, Diastolic, Mean	
IBP:		
A A	Provision of two simultaneous measurement of IBP Display: Waveform and numeric	t
Tempera	ture	
> Dual	I Temperature Monitoring	
ETCO <sub>2</sub> (U	Upgradable):	
ک مرکز ALARMS	Infra Red Side Stream Analyzer for CO <sub>2</sub> Capable of monitoring ETCO <sub>2</sub> of intubated patient Display: Waveform and Digital Range: 0 to 15 Vol% or 0 to 15kPa or 0 to 113 mmHg. <b>S for :</b>	1
	Asystole Arrhythmia Leads off SpO <sub>2</sub> probe disconnection BP Cuff occlusion/disconnection Apnea and ETCO <sub>2</sub>	
Accessori	ies to be essentially supplied:	
Each Mon Lead (5 le Reusable SPO2 Sen SPO2 Ext Temperatu Transduce	nitor should be supplied complete with ECG 2 pc each.NIBP Cuff(Adult, Paed, Neonate): 5 pc each nsor (Adult & Paed/Neonate): 10 pc each tension Cable: 5 pieces ure Probe: 2 pc ers for IBP: 50 pc	÷.

		Note:-	
		The necessary accessories to make it functional on Neonates, Pediatric and Adult patients should be quoted as "Standard Accessories."	
		Terms and Conditions	
3.	Ventilator	<ul> <li>a. Must enclose compliance statement.</li> <li>b. Should have locally available service facility.</li> <li>c. One complete set to be quoted with no alternative options.</li> <li>d. The warranty will be for the main equipment along with accessories from the date of satisfactory installation issued by user.</li> <li>e. Must submit Printed catalogue and technical data sheet to substantiate offer.</li> <li>f. Any misinformation regarding the specification of the equipment offered would mean outright technical rejection.</li> <li>g. Must submit User list and at least 5 Performance Satisfaction report of similar type of work, within last 5 years from major government hospitals.</li> <li>h. Bidder never been penalized by any Central Govt. investigating agency for any wrong doing in entire India. Wrong and false information in this regard will be the reason for forfeit of EMD and blacklisted of the firm.</li> </ul>	
	high end (ICU)	<ul> <li>adults.</li> <li>Microprocessor controlled system with individual selection of various ventilation parameters and PEEP.</li> <li>It should be suitable for use during transportation of patient within and outside the hospital.</li> <li>System should have the facility for both Pressure trigging &amp; Flow triggering.</li> <li>It should have following modes of ventilation: <ul> <li>a) Volume control</li> <li>b) Pressure control</li> <li>c) Pressure regulated volume control with on demand flow (PRVC).</li> <li>d) Pressure support with back up ventilation.</li> <li>e) CPAP.</li> <li>f) SIMV (Volume Control) + Pressure support.</li> <li>g) SIMV (Pressure control) + Pressure support.</li> <li>h) Should have facility for BiPAP with non-invasive ventilation with same breathing circuit.</li> </ul> </li> <li>6) The system should have the following parameters: <ul> <li>a) Tidal volume</li> <li>5 ml to 2000 ml.</li> <li>b) CMV frequency</li> <li>to 40 breaths per minute.</li> <li>c) SIMV frequency</li> <li>to 40 breaths per minute.</li> <li>d) Inspiratory time</li> <li>10% to 80% of breath cycle time.</li> </ul> </li> </ul>	

e) Pause time 5 to 30% of breath cycle
time.
f) Pressure level $0-100 \text{ cm H}_2 \text{O}$ .
g) PEEP $0-40 \text{ cm H}_2 \text{O}.$
n) Trigger Flow trigger.
i) Inspiratory rise time 0-20% of breath cycle
J) 1:E ratio 1:10-4:1
7) Should have the following audio-visual alarms:
a) Airway pressure
b) High continuous pressure
c) FiO2
d) Expired minute volume
e) Apnea
f) End expiratory pressure
g) Respiratory rate
h) Gas Failure
i) Battery
8) It should have separate user interface & ventilation unit
for flexible positioning around the patient.
9) It should have External Compressor (US-FDA) from same
manufacturer.
10) It should have built in battery back up for 60 min or
more.
11) Unit should be supplied with suitable heated humidifier
(F &P) & two ultrasonic nebulizer (less than 3 microns
particles) for effective uninterrupted nebulization during
12) Ovygon concor should be covered in CMC and warranty
12) Oxygen sensor should be covered in civic and warrancy.
interface screen
a) It should be possible to display at least 3 types of
loops for each breath:
Volume- pressure
Flow- volume.
Flow- Pressure.
b) Screen should display following waveforms:
Flow time.
Pressure time.
Volume time.
c) Access through touch screen & main rotary dial.
d) Direct access to vital settings: PEEP, O2
concentration, respiratory rate & volume (or
Pressure).
e) Can be rotated and tilted for maximum
flexibility.
f) 24 hour trend display for upto 24 parameters.
g) Scroll/ Zoom functions.
14) One set of autoclavable breathing circuits, one each for
adult and pediatric patients should be supplied with the

-		
		<ul> <li>system.</li> <li>15) It should have the gas flow from 0 to 3 litres per second.</li> <li>16) It should have 2 autoclavable interchangeable expiratory cassette or valve for complete disinfection capability.</li> <li>17) It should have facility for ventilation data transfer and network connection. Should be HL7 compatible.</li> <li>18) It should be user friendly and have sturdy design.</li> <li>19) It should be supplied with trolley made of non corrosive material and with air and O2 hose.</li> <li>20) It should be US-FDA &amp; CE (Conformité Européenne) certified.</li> </ul>
4.	Syringe	1) The syringe pump should be programmable, user 82
	Infusion	friendly, safe to use and should have battery
	Pumps	backup and comprehensive alarm system.
		2) Must Work on commonly available standard
		5ml/10ml/20ml/50ml/60 ml Syringes with
		accuracy of minimum of +/-2% or better, with
		automatic syringe size recognition.
		3) Manufacturer should be ISO and CE certified for
		quality standards.
		4) Flow rate programmable from 0.1 to 1000 ml/hr or
		more in steps of 0.1 ml/hr with user selectable
		flow set rate option. SAVE last infusion rate even
		when the AC power is switched OFF.
		5) Bolus rate should be programmable to 40 to 1000
		ml/hr or more with infused volume display and
		one key press bolus. Reminder audio after every
		0.5 ml delivered bolus.
		6) Display of Drug directory of more than 50 drugs,
		customised and adjustable.
		7) Key board locking system for patient safety.
		8) Keep Vein Open (KVO) must be available 1.0 ml/hr
		or set rate if lower than 1.0 ml. User should have
		choice to disable KVO whenever desired.
		selectable from 300/500/900 mmHg.
		10) Automatic detection of syringe size & proper
		fixing. Must provide alarm for wrong loading of
		syringe such as flanges out of slot; disengaged
		plunger, unsecured barrel etc.
		11) Manual pusher with plunger protection guard.
		12) Anti bolus system to reduce pressure on sudden
		release of occlusion.
		13) Should have comprehensive ALARM package
		including: Occlusion limit exceed alarm. Near end
		of infusion pre-alarm & alarm, Volume limit pre-
		alarm & alarm, KVO rate flow, Low battery pre-
		alarm and alarm, AC power failure, Drive

			disengaged and preventive maintenance.					
			14) Rechargeable Battery having at least 8 hours					
			hackup for about 5ml/hr flow rate with 50ml					
			syringos Lorgor battory life and indication of					
			syninges. Larger battery me and indication of					
			residual life will be preferred.					
			15) Mounting device/ Docking Station for two or four					
			pumps as per requirement so as to enable to					
			power up to 2-4 pumps with one power cord when					
			mounted on IV pole.					
			16) The unit shall be capable of stored and operating					
			continuously in ambient temperature of 10 - 50deg					
			C and relative humidity of 15-90%					
			17) Power input to be 220-240VAC. 50Hz.					
			18) Comprehensive warranty for 5 years and provision					
			of CMC for next 5 years					
			19) Log book with instructions for daily wookly					
			13) Log book with instructions for daily, weekly,					
			ish description of the beautial technician and					
			job description of the nospital technician and					
			company service engineer should be clearly spelt					
			out.					
			20) User Manual and service manual in English.					
			21) Should have local service facility .The service					
			provider should have the necessary equipments					
			recommended by the manufacturer to carry out					
			preventive maintenance test as per guidelines					
			provided in the service/maintenance manual.					
			22) Performance report in the last 3 years from major					
			hospitals should be enclosed.					
			23) User list to be provided with performance					
			certificate.					
			24) List of important spare parts and accessories with					
			their part number and costing.					
	5.	Blood Gas	1. Fully automatic, upgradeable, fast electrolyte & Blood	1				
	_	Analyzer (ABG	gas analyzer.					
		Machine)	2. Essential Measured parameters; pH, pCO2, pO2, SaO2					
		, and the second s	with co-oximetry, tHb, Lactates, Na+, K+, Ca++, Cl-, Blood					
			urea, Bilirubin & Blood sugar. All these parameters					
ļ			should be measured simultaneously					
			3. Calculated parameters should include BE, BE ecf, HCO3,					
ļ			Anion Gap etc.					
			4. Sample volume-less than 100 micro litre.					
ļ			5. Fast analysis time – less than 60 sec.					
			6. Maintenance free electrodes with individual electrodes					
ļ			ON/OFF facility.					
ļ			7. Fully automatic liquid calibration of all parameters at					
			user-defined intervals without the use of Gas calibrated					
ļ			reagents, external gases, tanks or regulators.					
			8. Continuous reagent level monitoring with graphic	1				

					1				
			display.						
		9.	Data display on well-illuminated,	adequate size <b>LCD</b>					
			color touch screen display.						
		10	. Data print out on built in graphic i	printer.					
		11	. Built in auto Quality control facilit	у.					
		12	. Suitable UPS with 30 min backup.	o . /					
		13	be provided along with the machi	0 samples/day should ne.					
		14	. Cost of reagents to be quoted for evaluation.	ost of reagents to be quoted for comparative valuation.					
		15	Stand by blood gas cum electrolyte analyzer in case of						
		16	Should have local service facility	ireakuown.					
		17	t must be UF-FDA and CE (Conformité Européenne)						
		40	approved.	approved.					
		18	. Must submit User list and Perform	Aust submit User list and Performance report					
		19	. Compliance Report to be submitte	ed in a labulated and					
			pumber of original catalogue/dat	oint wise manner clearly mentioning the page/para					
		20	Jumper of original catalogue/data sneet						
		20	emonstration is required.						
		22	Comprehensive maintenance contract for next 5vrs.						
6.	BiPAP	1	t should be suitable for Adult and Paediatric						
	Machine		patients over 13 Kg of body weight.						
		2	It should use a high perform	mance turbine flow					
			generator for better pneum	atic performance.					
		3	It should have an LCD mon	itor.					
		4	It should have monitoring f	acility for Tidal					
			Volume, RR, Minute ventila	tion, I:E ratio,					
		_	Leakage.						
		5	Should have Assured Tidal	volume delivery					
		~	using pressure-support.						
		6	lechnical Specifications:						
		а	Operating pressure range.	4 to 30 cm H2O					
		b	Pressure measurement	+0.5cm H20 + 4%					
			tolerance	of the measured					
		С	MODES: - S, ST, T ,PC,	IPAP - 4 to atleast					
			Volume Assured Pressure	30 cm H20					
			Support (to ensure Alveolar (measured at the						
		А	CPAP mode 4 to 20cm H20						
		u	CPAP mode 4 to 20cm H20						
		e	Sensitivity Should have						
		f	settings(automatic/manual)different triager &Backup Respiratory rate5 to 30 BPM						
		g	Ti Control Ti Max	0.3 – 3 seconds.					
		h	Neight     < 1.5 Kg ( Weight can be relaxed for						

	i Peak flow capacity	>150 LPM at 20 cm H2O.
	j Alarms	Range of Alarms
	k RAMP Feature	0-45 minutes
	<ol> <li>Should be provided with a travel bag.</li> <li>Accessories: Power cord, si (Autoclavable) 2 small size medium size Full face mask face mask and 2 medium s</li> <li>Should be USFDA approved</li> <li>It should be supplied with i Humidifier.</li> <li>Upgradeable to SpO2 Modu</li> <li>Should have a provision to cable or SD card.</li> <li>Automatic leak detection a for atleast 30 Litres.</li> </ol>	easy to carry licon Reusable Full face masks, 2 ks, 1 large size Full ize nasal masks. d. ntegrated Heated ile & Data Module. download data via nd compensation
	15.Supplied with a set or mains leads and carry bag. Twashable and reusable. The preferably heating tubes.	f patient tubings, The filter should be e tubes should be
	16. Operating voltage 220-24 17. Two-years comprehensiv 18.Comprehensive AMC for completion of warranty /accessories used during main	40 v, 50 HZ. e warranty. or 3 years after for spare parts tenance
	19.In case of malfunction company should provide to support within 48 hrs or complaint till the time machi returned. 20. The company should of that the model quoted is t obsolete; and spares will be next 5-7 years.	n/breakdown, the emporary back-up f registering the ne is repaired and live the certificate he latest and not easily available for
7. ECG Machine 12 leads	<ol> <li>ECG Machine should have 8 inch (2) The ECG Machine should be able simultaneously and interpret the 3) Should acquire simultaneous 12 lo and nadiation station.</li> </ol>	Colour LCD Display. to acquire all 12 Leads em ead ECG for both adult
	<ul> <li>and pediatric patients</li> <li>Should have Real time Colour disposition with signal quality indication for e</li> </ul>	blay of ECG waveforms each lead.

-			
	!	5) ECG machine should be installed on mobile troll	ey for
		transport.	
	6	5) Should have Artifact, AC, and low and high pass	
		Trequency inters.	Cowith
		easy transfer by optional modem and data card	
		3) Should have full screen preview of FCG report for	or quality
		assessment checks prior to print.	,,
		O) Should have interpretation facility of the amplitude durations and morphologies of ECG waveforms a associated rhythm for adult and pediatric patien	udes, and ts.
		10) Should have alphanumeric Keyboard for patient	data
		11) Should have High resolution (200 dpix500dpi on	25
		mm/sec speed) digital array A4 size printer using thermal sensitive paper.	5
		12) Should have report formats of 3 x4: 6 x2. Rhythr	n for up
		to 12 selected leads; 12 Lead Extended measure	ments, 1
		minute of continuous waveform data for 1 selec	ted lead.
	· · · · · · · · · · · · · · · · · · ·	13) Should have battery capacity of at least 30 ECGs	or 2
		hours of battery backup.	
		14) Should be upgradable to be connected to HIS /LAN/Wireless LAN.	
		<ol> <li>Should display ECG on LCD/TFT Display of 640x4 resolution.</li> </ol>	80 pixel
		16) USB Support (optional) for Storage on external p memories.	ortable
	· ·	<ul><li>17) Multimode of ECG Storage capability on Floppy( 250 ECG on Internal Flash Memory</li></ul>	min 2),
		18) System Configuration Accessories, spares and consumables	
		19) ECG Machine 12 Leads with Interpretetion	- 01
		20) 10 Lead Patient Cable with Banana Plugs	-02
		21) Chest Electrodes Adult-(set of six)	-02 sets.
	:	22) Chest Electrodes Paediatric-(set of six)	-02 sets.
		23) Limb Electrodes(set of 4) -	02 sets
		24) Thermal Paper A4 Size for 500 patients.	
		Environmental factors	
		1) The unit shall be capable of operating contir	nuously
		in ambient temperature of 10 -400 C and rel humidity of 15-90%	ative
		2) The unit shall be capable of being stored	
		continuously in ambient temperature of 0 -5	500 C
		and relative humidity of 15-90%	
		3) Shall meet IEC-60601-1-2 :2001(Or Equivalen	nt BIS)
		General Requirements of Safety for Electron Compatibility.	nagnetic
		4) Standards and safety	
		5) Should be US-FDA and CE (Conformité Europ	péenne)

1			1							
				approved product.						
			6	) Electrical safety conforms to standards for electrical						
				safety IEC-60601-1 General Requirements and IEC-						
				60601-2-25 Safety of Electrocardiograms (OR						
			Dee	EQUIVALENT BIS Standard)						
			DOC	umentation:						
			1	) User manual & Service Manual in English						
			2	) List of important spare parts and accessories with						
			_	their part number and costing.						
			3	) Certificate of calibration and inspection from						
				Tactory.						
			4	) Log book with instruction for daily, weekly, monthly						
			-	The isb description of the bespital technician and						
			5	company service angineer should be clearly shelt out						
			6	List of Equipments available for providing calibration						
			0	and routine Preventive Maintenance Support as per						
				manufacturer documentation in service/technical						
				manual.						
	8.	Intermittent	1) It	should be of portable size with handle.	3					
	_	Pneumatic	) 2) It	should be US FDA & CE (Conformité Européenne)						
		Compression	, a	pproved.						
		Device	3) It	should weigh between 3 to 5 kgs.						
			4) It	should have power input of 230 volts, 20-25 watts						
			v	vith power cord of length min. 3 meters.						
			5) B							
			f	ully charged.						
			6) T	he pressure adjustable range of 40-65 mm Hg.						
			/) L	<ul><li>7) LCD/LED with separate pressure display of both legs</li></ul>						
			n +:	umeric & indicating the inflated Leg. It should have						
			2) C	afety Standards - Audio and visual Alarms For Leak						
			0) J F	or Maximum Pressure: Automatic shutdown if pressure						
			י ב	xceeds the maximum limit						
			9) D	visposable Garments: For Ankle to thigh level, for Ankle						
			t t	o below knee & for foot.						
			10) G	arments should have inner cotton lining.						
			11) S	izes Available Disposable Garments -						
				[a] Small [b] Medium [c] Large [d] XL [e] XXL						
	9.	Patient	1.	Should be suitable for intra-operative applications.	2					
		Warning	2.	Should consist of active warming arm-cum-shoulder						
		System		section, pair of leg segments and abdominal segment						
			-	to cover the entire body.						
			3.	Should be based on semiconductor polymer foil for						
				precise warming of entire patient body during & after						
			л	Surgery.						
			4.	Size Abdominal Segment: $(A0-A5) \text{ cm} \times (95,00) \text{ cm}$						
				$\Delta rm \& Shoulder Section: (170-175) cm x (28-22) cm$						
				Leg Segment: (40-45) cm X (85-90) cm						

		5. Control unit should be capable of warming minimum	
		four segments at a time.	
		6. Control unit should have Color LCD touch screen for	
		easy operation.	
		7. Control unit should have touch screen display to select	
		& display temperature of all four segments at a time.	
		8. Control unit should automatically detect the number of	
		segments which are connected to the unit and display	
		the same on the screen.	
		9. Should offer precise digital temperature control with	
		selectable temperature range of 36 to 42° C in steps of	
		0.1ºC	
		10. Arm cum shoulder segment should be divided in two	
		sections capable of being switched ON or OFF	
		independently depending upon the nature of surgery	
		and condition of natient	
		11 Should have facility to measure & display the real time	
		core body temperature of the natient continuously on	
		the screen.	
		12. Should also have on screen graphical display of patient	
		body temperature for the entire duration of surgery.	
		13. Should have facility to independently adjust the	
		temperature of individual segment.	
		14. Should have a provision to connect whole body blanket	
		& pediatric size blanket to the same control unit for	
		future requirement.	
		15. Should have safety features such as Automatic check,	
		Precise temperature control between warming system	
		and patient, Autostop on detecting any problem	
		16. Should have non latex anti-bacterially coated, blood	
		and fluid Resistant covers	
		17. Covers should be washable and replaceable	
		18. The control unit should be light weight not more than	
		3.6 kg, small in size (23 x11x16.5 cm approx.) and easily	
		attachable to IV rod/OT table with fixing claw.	
		19. Should have low energy consumption and noiseless	
		operation	
10.	Crash Cart	1. Size -940x490x1535 mm approx.	4
		2. Trolley with 25 mm diameter SS tubular frame	
		3. Drawers maximum number possible of adequate size	
		4. Flat surfaces should be stainless steel.	
		5. Two/three rows of hand out bins of different size &	
		color to hold different sizes of ampoules/vials of	
		emergency medicine.	
		6. Light weight plastic box with drawers of different sizes	
		and colors to hold emergency medicines, ambu bag , IV	
		solution, catheters etc separately.	
		7. Facility to carry monitor & suction apparatus.	
		8. Stainless steel saline rod-one.	
		9. Castor wheels of 12.5 cm diameter with two having	
		locking arrangement.	

	1 1 1 1	<ol> <li>Pull out cardiac massage board above drawers.</li> <li>Oxygen cylinder stand on one side.</li> <li>All parts should be epoxy polyster coated with 50 microne thichness approx. ebonite rubber , PVC and castor wheel etc.</li> <li>Whole crash cart should be washable.</li> </ol>	
11. Multi Param Monito Ward	eter ors for	neral: The equipment should come with all standard accessories required to run all parameters, suitable for all patient categories, ie. infants, children and adolescents. Should be US FDA and European CE certified. Waveform display: at least 5 channels, user selectable. Digital display with parameters monitored: ECG, Heart rate (HR), respiratory rate (RR), Oxygen saturation (SpO <sub>2</sub> ), Non Invasive Blood Pressure (NIBP). Should have wall mountable stand and it should be pivot able. Medical grade, TFT Flat screen, slim size, at least 10 inch display. Screen resolution at least 1280x1024 pixels Clear bright color display with large character size Adjustable contrast and brightness Ability to zoom any parameters Ability to change color of the trace by user Heart rate / ECG: At least 3-lead selectable ECG Built in arrhythmia monitoring in all leads Inbuilt ST segment analysis and arrhythmia detection facility Heart rate range 20-250 bpm Display sweep speeds 12.5, 25 mm/sec (user adjustable) Averaging time: user selectable up to 8 seconds ECG amplitude user adjustable Defibrillator protected Respiratory rate Range 6 to 150 breaths/min Accuracy ± 2 bpm Display sweep speeds 6.25, 12.5 & 25 mm/sec (user adjustable) Averaging time: user selectable up to 8 seconds ECG lead Range 6 to 150 breaths/min Accuracy ± 2 bpm Display sweep speeds 6.25, 12.5 & 25 mm/sec (user adjustable) Averaging time: user selectable up to 8 seconds User selectable apnea alarm time	25

3. Oxygen Saturation	
Range 1 to100%	
<ul> <li>SpO<sub>2</sub> accuracy : <u>+</u> 2 % ( 40-100% range)</li> </ul>	
<ul> <li>Averaging time: user selectable up to 8 seconds</li> </ul>	
<ul> <li>Plethysmographic waveform display</li> </ul>	
4. Noninvasive Blood pressure :	
<ul> <li>Capable of measuring blood pressure in infants, abildren and adalassants</li> </ul>	
Children and adolescents.	
Microprocessor software with unit in mining     Opsillemetric technique	
Oscillometric technique     Manual auto and time limited stat modes	
Manual, auto and time innited stat modes	
Oser selectable automatic time intervals	
Display systemic, diastemic and mean BP	
Curl: auto denate with over pressure protection	
<ul> <li>Should automatically establish zero reference after each reading</li> </ul>	
each reading	
<b>5.</b> Alarms: Audio & visual alarms with message.	
High and low heart rate	
High and low respiratory rate	
<ul> <li>Apnea with adjustable time 5-20 seconds</li> </ul>	
High and low saturation	
<ul> <li>High and low Systolic, Diastolic &amp; Mean BP.</li> </ul>	
Probe failure	
Poor signal	
Power failure	
6. Trends	
<ul> <li>Memory storage : at least 24 hours</li> </ul>	
<ul> <li>Data display interval : not more than 20 sec</li> </ul>	
• Display range : last ½ hour to 24 hours	
Graphical and tabular format of display of variables.	
7. Power: 220/240 V: 50/60 Hz AC: Rechargeable internal	
battery with a back up of at least 1 hr.	
8. Essential Accessories for each monitor: The following	
quantities are to be supplied with each monitor:	
• ECG patient cable: 2.	
<ul> <li>Oxygen saturation: Patient extension cables: 2</li> </ul>	
• Oxygen saturation probes for infants, pediatric	
and adult patients: 5 each.	
NIBP: Patient extension cable: 2	
<ul> <li>Reusable NIBP cuffs of infant, pediatric and adult</li> </ul>	
size: 2 each with each monitor.	
<b>9.</b> Cost of consumables/accessories should be frozen for	
the period of warranty and CMC.	
<b>10.</b> It should have local service facility .The service provider	
should have the necessary equipments recommended by	
the manufacturer to carry out preventive maintenance	

test	as	per	guidelines	provided	in	the	
servic	e/mai	ntenan	ce manual				
<b>11.</b> User/	Techni	ical/Ma	intenance ma	nuals to be	suppli	ed in	
Englis	h.						
12. Certif	cate o	of calibr	ation and insp	ection.			
13. List of	<sup>;</sup> impo	ortant s	pare parts and	d accessories	s with	their	
part n	umbe	r and co	osting.				

Supply, Installation and Commissioning of Equipment required in Anaesthesia Department

# Annexure-II

## **TECHNICAL BID**

Name of Firm/Contractor/Supplier	
Complete Address &	
Telephone No.	
Name of Proprietor/Partner/Managing	
Director/Director.	
Phone & Mobile No.	
Name and address of service centre nearby Jodhpur.	
Whether the firm is a registered firm	
Yes/No (attached copy of certificate)	
PAN No.	
(enclose the attested copy of PAN Card)	<u> </u>
Service Tax No.	
(enclose the attested copy of Service Tax	
Certificate)	
VAT No.	
(enclose the attested copy of VAT	
Certificate)	
Whether the firm has enclosed the Bank	
Draft/Pay Order/Banker's cheque of	
Earnest Money Deposit.	
Whether the Firm/Agency has signed each	
and every page of Tender/NIT	
Please provide full list of consumables.	
Any other information, if necessary	

Authorized signatory of the bidder with seal.

Supply, Installation and Commissioning of Equipment required in Anaesthesia Department

## Format for Financial Bid

(To be submitted on the letterhead of the company / firm separately for each item)

#### A.

S.No	Name of Item	Quantity	Rate	Vat/Taxes	Amount
1.					

В.

	CMC Charges as applicable (excluding service Tax)				
I <sup>st</sup> Year					
II <sup>nd</sup> Year					
III <sup>rd</sup> Year					
IV <sup>th</sup> Year					
V <sup>th</sup> Year					

- 1. I/We have gone through the terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
- 2. No other charges would be payable by the Institute.

Authorized signatory of the bidder with seal.