Tender Enquiry No. F.No.24/Eqpt/28/2013-RIS (Admin)

TENDER NOTICE
Equipments/Instruments for the Department of Anaesthesiology
AIIMS, Rishikesh, Virbhadra Marg, Rishikesh, Dehradun

Date: 31 July, 2013

On behalf of the Director, All India Institute of Medical Sciences, Rishikesh tenders in sealed cover are invited under two-bid system from manufacture and their authorised dealers/ distributors for providing Instruments for Department of Anaesthesiology for AIIMS Rishikesh.

The interested manufacture and their authorised dealers/ distributors are required to submit the technical and financial bid separately. The bids in Sealed Cover-I containing "Technical Bid" and Sealed Cover-II containing "Financial Bid" should be placed in a third sealed cover super scribed "Tender For Equipments/Instruments for Department of Anaesthesiology" and should reach at the office of “The Administrative Officer, AIIMS, Virbhadra, Marg Rishikesh (Dehradun) - 249201, before 03.00 PM on or before 21-08-2013. The bid received after due date and time will not be entertained whatsoever may be the reason. The technical bids shall be opened on the next day i.e 22-08-2013 at 03.00 PM at AIIMS, Rishikesh. In the event of any of the above mentioned date being declared as a holiday / closed day, the tenders will be opened on the next working day at the appointed time. The date of technical evaluation of items and opening of financial bid of technically qualified agencies will be announced later.

The tender document containing technical bid form, financial bid form, technical description/specification & item and terms & conditions can be purchased from AIIMS, Rishikesh from 01-08-2013 to 21-08-2013 between 10.00AM and 02.00 PM on non-refundable payment of Rs.1135.00 (Rupees one thousand one hundred thirty five only) or can be downloaded from website www.aiimsrishikesh.edu.in. Those who download the tender document from website should enclose DD for Rs.1135.00 (Rupees one thousand one hundred thirty five only) (non-refundable) in favour of “AIIMS, Rishikesh”, payable at Rishikesh, not later the date of 20-08-2013 along with their technical bid in the Cover-I “Technical Bid”. The bid security (EMD) for Instruments for Department of Anaesthesiology as given in table-1 below should be paid in the form of GD/BG/TD/CD in favour of “AIIMS, Rishikesh” payable at Rishikesh and will be placed in cover-1 with technical bid. The Tender Documents are not transferable.

Any future clarification and/or corrigendum(s) shall be communicated through Administrative Officer on the AIIMS, Rishikesh website: www.aiimsrishikesh.edu.in.

Rakesh Kumar
Administrative Officer
AIIMS, Rishikesh
**Tender Enquiry No. F.No.24/Eqpt/28/2013-RIS (Admin)
TENDER DOCUMENT
“Equipment/Instruments for the Department of Anaesthesiology”
AIIMS, Rishikesh

**TECHNICAL BID**
(In separate sealed Cover-I super scribed as “Technical Bid”)

<table>
<thead>
<tr>
<th>1. Name &amp; Address of the manufacture and their authorised dealers/distributors/Agency with phone number, email and telephone/mobile</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Specify your firm/company is a manufactures/authorised dealer/distributor/Agency</td>
</tr>
<tr>
<td>3. Name, Address &amp; designation of the authorized person (Sole proprietor/partner/Director)</td>
</tr>
<tr>
<td>4. Have you previously supplied these items to any government/reputed private organization? If yes, attach the relevant proof. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&amp;D rate in recent past. <strong>If you don’t fulfil this criteria, your tender will be out rightly rejected.</strong></td>
</tr>
<tr>
<td>5. Please attach copy of last of Income Tax Return</td>
</tr>
<tr>
<td>6. Please attach balance sheet (<strong>duly certified by Chartered Accountant</strong>) for last three (3) years (Annual minimum turnover should not be less than 25 lakhs)</td>
</tr>
<tr>
<td>7. PAN No. (Please attach copy)</td>
</tr>
<tr>
<td>8. VAT/Service Tax Registration Number. (Please attach copy)</td>
</tr>
<tr>
<td>9. Acceptance of terms &amp; conditions attached (Yes/No). Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. Otherwise your tender will be rejected.</td>
</tr>
<tr>
<td>10. Power of Attorney/authorization for signing the bid documents</td>
</tr>
<tr>
<td>11. Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner. Please also declare that proprietor/firm has never been black listed by any organization.</td>
</tr>
<tr>
<td>12. Please submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that they will provide complete warranty for all equipments for 2 (two) years &amp; CMC for 5 (five) years of these equipments.</td>
</tr>
<tr>
<td>13. Please furnished a notarised affidavit on Indian Non judicial stamp paper of Rs.10/- that they will supply spare parts for next 10 years at reasonable price.</td>
</tr>
<tr>
<td>14. Details of the FD/BG/TD/CD of bid security (EMD)</td>
</tr>
</tbody>
</table>

FD/BG/TD/CD No:
Date:
Payable at-

Detail of cost of Tender for Rs. 1135/- (if downloaded from website)
DD No.
Date:
Payable at-

Sign of Bidder
Tender Enquiry No. F.No.24/Eqpts/28/2013-RIS (Admin)

Declaration by the Tenderer:

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Encls: 1. DD/Pay Order (if tender form is downloaded from the website of this Institute)
        2. FD/BG/TD/CD
        3. Terms & Conditions (each page must be signed and sealed)
        4. Financial Bid

(Signature of Tenderer with seal)

Name:
Address:

Place:é é é é é é é é é é é é é é é é é é é é
Date:é é é é é é é é é é é é é é é é é é é é

Tender Sl.No:

Sign of issuing Authority

Sign of Bidder
Tender Enquiry No. F.No.24/Eqpts/28/2013-RIS (Admin)

“Equipment/Instruments for the Department of Anaesthesiology”
AIIMS, Rishikesh

FINANCIAL BID
(In sealed Cover-II super scribed “Financial Bid”)

To,
Administrative Officer
AIIMS Rishikesh, Virbhadra Marg
Rishikesh (Dehradun)

Dear Sir,

Our quoted rate for supplying the Equipment/Instruments of Department of Anaesthesiology for AIIMS, Rishikesh will be as follows.

<table>
<thead>
<tr>
<th>Name of Equipment/Instrument</th>
<th>Unit Price (In Rs.) With 2 years warranty (if applicable)</th>
<th>Unit Price (In Rs.) CMC for 5 years (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaesthesia Workstation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiparameter monitor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ventilator</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiberoptic Laryngoscope set</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defibrillator</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sign of Bidder
The unit cost should be mentioned as per table 1. The above quote should include all applicable taxes and F.O.R. AIIMS, Rishikesh. L1 will be decided on the basis of unit cost of individual equipment.

**Declaration by the Bidder:**

1. This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in Tender document regarding terms & condition of the contract, rules regarding purchase of equipments for Department of Anaesthesiology. I/we agree to abide them.

2. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

(Signature of Bidder with seal)

Place:…………………………………

Date:…………………………………

Name:…………………………………

Seal:…………………………………

Address…………………………………

Tender Sl.No:…………………………………

**Sign of issuing Authority**
Tender Enquiry No. F.No.24/Eqpts/28/2013-RIS (Admin)
“Equipment/Instruments for the Department of Anaesthesiology”
AIIMS, Rishikesh

TERM & CONDITIONS OF THE TENDER

Terms & Conditions

(A) Information and Conditions relating to Submission of Bids

1. The tender document containing eligibility criteria, scope of work, terms &
   conditions and draft agreement can be purchased from AIIMS, Rishikesh on any
   working day from **01-08-2013 to 21-08--2013** between 10.00 AM to 02.00 PM on
   payment of non refundable charges of Rs 1135/- (Rupees one thousand one hundred
   thirty five only) or can be downloaded from website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in). Those
   who download the tender document from Website should enclose a Demand Draft/Pay
   Order for Rs 1135/- (Rupees one thousand one hundred thirty five only) in favour of
   “AIIMS, Rishikesh”, payable at Rishikesh, not later the date of **20-08-2013**, along
   with their bid in the Cover-I containing “Technical Bid”.

2. The interested firms/suppliers are required to submit the Technical and Financial
   Bids separately in the format enclosed. The bids in sealed Cover-I containing
   “Technical Bid” and sealed Cover-II containing “Financial Bid” should be placed in a
   third sealed cover super scribed “Tender for Purchase of equipment for
   Department of Anaesthesiology” should reach AIIMS, Rishikesh by or before 03.00 PM
   on **21-08-2013**. The Technical bids shall be opened on ext day i.e **22-08-2013 at
   03.00 PM** at AIIMS, Rishikesh in presence of the bidders or their authorized
   representatives who choose to remain present. The Tender received after due date &
   time will be rejected and no claim shall be entertained whatsoever may be the reason.

3. The pre bid conference would be held on **16-08-2013 at 03.00 PM** in the office
   of Dy Director (Administration), AIIMS, Rishikesh. All firms representative who are
   attending the pre bid meeting, shall produce an authorisation letter from their firm on
   the firm’s letter head. They are required to put their query in writing before the
   committee.

4. All the duly filled/completed pages of the tender should be given serial /page
   number on each page and signed by the owner of the firm or his Authorized signatory.
   In case the tenders are signed by the Authorized signatory, a copy of the power of
   attorney/authorization may be enclosed along with tender. A copy of the terms &
   conditions shall be signed on each page and submitted with the technical bid as token
   of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected out rightly.

5. All entries in the tender form should be legible and filled clearly. If the space for
   furnishing information is insufficient, a separate sheet duly signed by the authorized
   signatory may be attached. No overwriting or cutting is permitted in the Technical Bid
   as well as Financial Bid unless authenticated by full signature of bidder. Any omission in
   filling the columns of Financial Bid form (Schedule of Rates) shall debar a tender from
   being considered. Rates should be filled up carefully by the tenderer. All Corrections in
   this schedule must be duly attested by full signature of the tenderers. The corrections
   made by using fluid and overwriting will not be accepted and tender would be rejected.
6. The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table-I along with the Technical Bid in the form FD/BG/TD/CD in favour of “AIIMS, Rishikesh” drawn on any Nationalized Bank/ Scheduled Bank and payable at Rishikesh and must be valid for (6) six month. Bids received without EMD shall stand rejected and thus shall not be considered for evaluation etc at any stage. The original EMD will be put in cover-I containing Technical bid.

   a) The Public Sector Undertaking of the Central/State Govt. are exempted from furnishing Earnest Money along with tender.
   b) The firms Registered with DGS & D/SSI and any approved source of Centre/States Govt. are not exempted from furnishing Earnest Money in so far as this institute is concerned.
   c) Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.

7. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract.

8. The successful bidders has to constitute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) and also required to furnish the security deposit @ 10% of contract value in the form of FD/BG/TD/CD of any nationalised bank in favour of AIIMS, Rishikesh & payable at Rishikesh only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 15 (fifteen) days after the issue of Letter of Award of Work, his bid security (EMD) shall be forfeited unless time extension has been granted by AIIMS, Rishikesh.

9. The EMD shall be forfeited if successful bidder fails to supply the goods/equipment in stipulated time or fails to comply with any of the terms & conditions of the contract or fail to sign the contract.

10. The bid shall be valid and open for acceptance of the competent authority for a period of 180 (one hundred eighty) days from the date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained.

11. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, may ask bidders individually for clarification of their bids. The request for clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.

12. After evaluation, the work shall be awarded normally to the Agency fulfilling all the conditions and who has quoted the lowest rate as per financial bid after complying with the all the Acts / provisions stated / referred to for adherence in the tender.
Tender Enquiry No. F.No.24/Eqpts/28/2013-RIS (Admin)

13. The competent authority of AIIMS, Rishikesh reserved all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any term and condition of the tender enquiry after due discussion in pre bid conference. This will be communicated to all tenderers in writing. AIIMS, Rishikesh also reserves the right to reject any bid which in his opinion is non-responsive or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

14. Tender must be submitted on the prescribed Tender Form otherwise tender will be cancelled straightway.

15. The tender form is not transferable.

16. Canvassing in any form is strictly prohibited and the tenderer who are found canvassing are liable to have their tenders rejected out rightly.

(B) OTHER TERMS & CONDITIONS OF THE TENDER

1. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at FOR AIIMS Rishikesh.

2. All the rates should be mention in Indian national currency (INR) only. The rates quoted in foreign currency will not be entertained in this tender enquiry & such tenders will be cancelled straightway.

3. Rates should be mentioned both in figures and in words. The offer should be typed or written in Ink Pen/ Ball Pen without any correction. Offers in pencil will be cancelled. Telegraphic/ Telex/ Fax offers will not be considered and cancelled straightway.

4. The supplier shall submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender, the Institute (the purchaser) would be given the benefit of lower rates by the Supplier. If such affidavit is not submitted, tender will be out rightly rejected.

5. If the price of the contracted articles is/ are controlled by the Government, in no circumstances the payment will be higher than the controlled rate.

6. Tender will be regarded as constituting an offer open to acceptance in whole or in part at the discretion of the competent authority of the institute for a period of 180 days (6 months) valid from the date of opening of the tender by the committee.

7. The time for the date of delivery/ dispatch stipulated in supply order shall be deemed to be essence of the contract and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the supply order, liquidated damages may be deducted from the bill @ 0.5% per week subject to maximum of 10% of the value of the delayed goods or services under the contract. The competent authority of the institute may also cancel the supply. In such a case, bid security of the supplier shall stand forfeited.

Sign of Bidder
8. Tender Enquiry No. F.No.24/Eqpts/28/2013-RIS (Admin)

8. In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged.

9. In case the tenderer on whom the supply order has been placed, fails to made supplies within the delivery schedule and the purchaser has to resort risk purchase, the purchaser (AIIMS, Rishikesh) may recover from the tender the difference between the cost calculated on the basis of risk purchase price and that calculated on the basis of rates quoted by tenderer. In case of repeated failure in supplying the order goods the supply order may be cancelled and bid security deposit will be forfeited.

10. The Specification and quantity of the item needed is mentioned in Table I but it is approximate detail and is subject to increase/decrease at the discretion of the competent authority of AIIMS, Rishikesh. The payment would be made for actual supply taken and no claim in this regard should be entertained.

11. Where the specifications are as per tenderer’s range of product & tenderer’s offer should mention that the item meets all specifications as per the tender enquiry and if there are improvements/deviations the same should be brought out on separate Letter Head of the firm. It would be discretion of the competent authority of the institute to accept or reject such deviations which are not in accordance with our required specifications as per given in Annexure-I.

12. It must be mentioned clearly whether tenderer is a manufacturer/sole distributor/sole agent for the items for which he is quoting.

   a. Manufacturer must add a certificate that item(s) is manufactured by them as per range of products.

   b. Sole Manufacturers must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organisation and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.

   c. Authorized agents must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals in proforma given in attach duly supported by a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.
13. The Tenderers should furnish a copy of **S.T. /C.S.T./VAT registration number**, the **State / U.T. of registration** and the date of such registration. Tenders not complying with this condition will be rejected.

14. The tenderers should submit along with the tender, a photostat copy of the last Income Tax return and copy of current valid income tax **clearance certificate (IT CC)** otherwise tender may be ignored.

15. In case asked, tenderer must personally supply a sample/give the demonstration of the **equipments/Instruments** to the competent authority of the institute and in that case all the expenses will be borne by the supplier.

16. Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender failing which the tender will not be considered. The tenderer must also mention whether the goods are imported / indigenous. Descriptive literature /catalogues must be attached with the tender in original failing which tender may be ignored.

17. Any failure or omission to carryout of the provisions of this supply by the supplier shall not give rise to any claim by supplier and purchaser one against the other, if such failure or omission arise from an act of God which shall include all acts of natural calamities from civil strikes compliance with any status and or requisitions of the Government lockout and Strikes, riots, embargoes or from any political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state of incarceration provided that notice of the occurrence of any event by either party to the other shall be within two weeks from the date of occurrence of such an event which could be attributed to force majeure.

18. The Courts at Rishikesh/ Dehradun alone and no other Court will have the jurisdiction to try the matter, dispute or reference between the parties arising out of this tender/supply Order/contract.

19. Tenderer will have to provide complete warranty for all equipments for 2 (two) years & CMC for 5 (five) years of these equipments. Financial bid should be quoted accordingly. In this regard, the tenderer shall submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that they will provide complete warranty for all equipments for 2 (two) years & CMC for 5 (five) years of these equipments.

20. If at any time, any question, dispute or difference whatever shall arise between supplier and the institute (Purchaser) upon or in relation to or in connection with the agreement, either of the parties may give to the other notice in writing of the existence of such a question, dispute or difference and the same shall be referred to two arbitrators one to be nominated by the institute (Purchaser) and the other to be nominated by the supplier. Such a notice of the existence of any question dispute or difference in connection with the agreement shall be served by either party within 60 days of the beginning of such dispute failing which all Right sand claims under this Agreement shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the arbitrators shall appoint/nominate an umpire. In the event of the arbitrators not agreeing in their award the Umpire Appointed by them shall enter upon the reference and his award shall be binding on the Parties. The venue of the arbitration shall be at Rishikesh, (Uttarakhand, India). The arbitrators/Umpire shall give reasoned award.
21. Tenderer should ensure and give an affidavit on Indian Non Judicial stamp paper of Rs.10/- with technical bid that spare parts and consumables for these equipments/instruments will be available and rates will be reasonable for next 10 (ten) years.

I / We hereby accept the terms and Conditions given in the tender

-----------------------------------------------
(Signature & Stamp of the bidder)

Note- Please sign each page of document including terms & conditions & tender
Tender Enquiry No. F.No.24/Instrument/28/2013-RIS (Admin)

**Table-I**

**Details of items & their tentative quantity and EMD**

The following items manufactured by international firms of repute with CE and FDA approval are required.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Item</th>
<th>Quantity</th>
<th>EMD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anesthesia Workstation</td>
<td>2</td>
<td>87000/-</td>
</tr>
<tr>
<td>2</td>
<td>Multiparameter monitor</td>
<td>2</td>
<td>9000/-</td>
</tr>
<tr>
<td>3</td>
<td>Ventilator</td>
<td>2</td>
<td>66000/-</td>
</tr>
<tr>
<td>4</td>
<td>Fiberoptic Laryngoscope set</td>
<td>1</td>
<td>5000/-</td>
</tr>
<tr>
<td>5</td>
<td>Defibrillator</td>
<td>1</td>
<td>17000/-</td>
</tr>
<tr>
<td>6</td>
<td>Electric suction machine</td>
<td>2</td>
<td>5000/-</td>
</tr>
<tr>
<td>7</td>
<td>Arterial Blood Gas Analyser</td>
<td>1</td>
<td>36000/-</td>
</tr>
<tr>
<td>8</td>
<td>Miscellaneous</td>
<td></td>
<td>14420/-</td>
</tr>
</tbody>
</table>

**Total EMD= 2,39,420/-**
ANNEXURE-I

SPECIFICATION

➢ Technical Specifications for Anaesthesia Workstation

1. Technical Specifications:

1. Should be completely integrated system, with all components like Anesthesia machine, Ventilator, Circle absorber, Vaporiser and Monitor from a single manufacturer.
2. Should have provision for delivery of oxygen, nitrous oxide and medical air with pressure gauges.
3. Should have independent attachments for connecting central gas supply and pin indexed cylinders.
4. Should have analog display of cylinder and pipeline gas pressures.
5. Should have provision to attach one cylinders for Oxygen and one for Nitrous Oxide.
7. Oxygen and Nitrous oxide should be linked to ensure a minimum of 25% oxygen delivery at all times to avoid delivery of hypoxic mixture. **Lever based anti hypoxic device is not acceptable.**
8. Should have back bar with ISO pin type to attach vaporisers easily.
9. Should have top shelf and a table top to keep drugs and equipments.
10. The machine should possess battery backup for ventilator and monitor.
11. Castor wheels should be durable and moisture resistant as well as antistatic.
12. Unlockable oxygen flush to deliver oxygen flow of approximately 40l/min.
13. Should have two deep drawers.
14. Should have Anesthetic Gas Scavenging System (AGSS).
15. Compliant with ultra-low flow anesthesia.
16. Electrical outlets.
17. Colour coded cylinder and pipeline pressure gauges.
18. Module for BIS monitoring.

2. Standard Circle Absorber System

1. Should have adjustable pressure limiting valve, breathing circuit pressure measuring device.
2. Should have bag / vent selecting valve integrated onto the absorber and should automatically turn on the ventilator when positioned to vent mode.
3. Should be suitable to use low flow techniques.
4. Should have facility to attach oxygen sensor.
5. Should have fully autoclaveable CO2 absorbent canisters and bellows.

3. Vaporiser

1. Temperature, pressure and flow compensated.
2. Should provide keyed filler based Halothane, Isoflurane and Sevoflurane vaporisers.
3. Should be easy to mount and dismount form the back bar.
4. Should have ISO pin type (Selectatec) back bar mount.
5. Vaporiser should be maintenance free for ten years.
4. **Ventilator**
   1. Should be integrated with the anesthesia system, with bag in bottle ascending type bellows.
   2. Should have tidal volume range from 20ml to 1500 ml.
   3. Should be able to set TV, RR and I:E ratio.
   4. Should have large display with touch screen and wheel based adjustments.
   5. Shall have the following modes: VCV, PCV, SIMV + Pressure Support
   6. Ventilator should monitor and display integrated Oxygen monitoring, Inspired and expired volumes, PAW, Pressure waveform, Flow waveform and spirometry loops
   7. Ventilator should have Inspiratory pause, Sigh function, Patient trigger 5 lpm.
   8. Ventilator should have a max flow of 100 litres per minute in PCV mode.
   9. Ventilator should provide all user alarms.
   10. Ventilator should provide Fresh gas compensation and Compliance compensation.
   11. Ventilator shall have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.
   12. On switching on, the ventilator system check should be able to bypass in the case of an emergency.
   13. Flow sensors measurement at the patient end of the circuit is preferred.
   14. Should be supplied with necessary reusable and disposable breathing circuits.

5. **Integrated monitoring system**
   1. Patient monitor system should be of modular type and capable of monitoring adult, pediatric and neonatal patients. Should be from the same manufacturer as the anesthesia system.
   2. Monitor should have minimum 19" independent color flat panel display.
   3. Should have the latest Touch screen user interface.
   4. Module rack / housing should be independent and shall be able to be placed near to the patient.
   5. Should be capable of 8 traces of display.
   6. Facility to monitor: ECG, NIBP, SpO2, Respiration, 4 X Invasive pressures, Temperatures (2), AGM, Bispectral index. Should have Cardiac output port enabled for thermodilution method and also BIS monitoring.
   7. The SpO2 probe should be for adult and also another one for pediatric use.
   8. ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all 12 leads.
   9. Should be upgradeable to mixed venous oxygenation by addition of module and price to be quoted separately. Separate price for 4 channel EEG module to be offered.
   10. Inbuilt ST segment analysis and arrhythmia detection for all the leads.
   11. Haemodynamic and drug dose calculations should be available.
   12. Respiration should be available with Cardio Vascular Artifact filter.
   13. Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)
   14. 24 hours trend data should be displayed.
   15. Monitor shall provide capability to remote view of real time waveforms via the internet.
   16. On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.
   17. Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.
   18. Position of the displayed waveforms must be user configurable.
   19. Waveform color changing should be user configurable.
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20. Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.
21. All modules should be compatible with all monitors quoted.
22. Should be supplied with necessary accessories for adult, pediatric and neonatal accessories.
23. Monitor should be compatible with HIS and Should be HL7 compliant & DICOM
24. Monitor should provide remote viewing facility of real time waveforms through internet.

6. Accessories and spares
   1. ECG / respiration: 5 lead ECG cable and lead wire set .
   2. NIBP: Adult: 2 sizes and Pediatric 1 sizes and neonatal, 1 size per monitor
   3. SpO2 Sensor: Adult and paediatric sensor with cable,
   4. IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor.
   5. Temperature: Skin and nasopharyngeal probes per monitor.
   6. BIS: 25 nos of disposable sensors per monitor.
   7. AGM : Sidestream accessories (10 nos)

7. Environmental factors:
   1. Safe disposal system : Anesthetic Gas Scavenging System is a must and should be properly installed

   SHOULD BE US FDA & CE CERTIFIED SYSTEM.

8. Appropriate Warranty, AMC, CMC should be incorporated

➢ Technical specifications for Multiparameter monitor

   1. Minimum 12-14 inch screen size
   2. Built in Battery backup (Li-ion rechargeable battery with at least 2 hour backup)
   3. Touch screen
   4. Capable of displaying in colour, the following- Heart Rate, SpO2, temperature, Respiratory Rate, NIBP, IBP, ECG waveform (configurable), SpO2 waveform, Respiration waveform, EtCO2 with waveform
   5. Arrhythmia detection capability
   6. Including accessories for Noninvasive BP, Saturation, ECG, EtCO2, Heart Rate (including adult and pediatric components wherever applicable)
   7. Ability to set various audio and visual alarms
   8. Must be CE and US FDA approved
   9. Appropriate Warranty, AMC, CMC should be incorporated
   10. Availability of frequently required spare parts must be ensured
SPECIFICATIONS for ICU Ventilator

The ventilator should be microprocessor based and work with hospital external high pressure line/external compressor to be used in ICU for Adult, Paediatric and infant patients. It should be easy to use having a color inbuilt touch screen at least 12 inch or more in size with screen lock, intuitive menu structure, mode preset capability, Pressure bar graph/breath indicator and prioritized alarms alongwith the following settings/features:

1. Ventilation Mode
   - Volume Controlled ventilation (Assisted / Control) VCV
   - Pressure Controlled ventilation (Assisted / Control) PCV
   - Synchronized intermittent mandatory Ventilation V-SIMV AND P-SIMV
   - Pressure support ventilation (Spont, CPAP, PEEP) PSV
   - Non invasive ventilation VCV, PCV, SIMV, PSV
   - Volume assured pressure support VAPS
   - Mandatory rate ventilation MRV
   - Airway pressure release ventilation APRV/BI-PHASIC
   - VENTILATION PRVC
   - Continuous positive airway pressure CPAP

2. Ventilation Settings & Ranges
   - Tidal Volume 20 ml to 2000 ml or more
   - Inspiratory Peak Flow 0 to 200 LPM (Compensated)
   - Maximum Inspiratory Peak Flow > 200 l/min (depending on gas supply pressure)
   - Respiratory Rate upto 100 BPM
   - SIMV Respiratory Rate 1 to 60 BPM
   - Inspiratory plateau 0 to 60 % of IT
   - FiO2 21% to 100%
   - Insp pause, Exp Pause, sustained exhalation, programmable sigh
   - Inspiratory Trigger (pressure and flow trigger)

3. Monitored Parameters
   - Respiratory Phase & Type, Respiratory Rate, Exhaled Tidal Volume, Exhaled Min. Volume Total, I:E Ratio, Peak Inspiratory Pressure, Average Pressure, Plateau Pressure, End Expiratory Pressure, % Oxygen Delivered, f/Vt (RSBI), etCo2(End tidal Co2)

4. Respiratory Mechanics Maneuvers
   - Static Compliance and Resistance
   - Low Inflation flow (LIP) and upper inflection point (UIP)
   - Some form of alveolar recruitment monitoring to be present to determine the right level of PEEP.

5. Displayed Trends Values for 72 hours atleast
6. Graphics Module with
   **Scalars**
   Flow vs. Time
   Pressure vs. Time
   Adjustable Time Scale.

   **Loops**
   Flow / Volume
   Pressure / Volume
   Pressure/flow
   **Facility for Freeze Screen**
   Individual Analysis of Each Curve
   Loop Save and Overlay Function
   Individual Analysis of Each Loop

   **Calculated Values**
   Inspiratory pause, Expiratory Pause

7. **Should have audio-visual alarms alongwith appropriate message for**
   Inspiratory pressure (High), circuit, FiO2 (High/Low), Resp Rate, Tidal volume, minute ventilation,

8. The ventilator should have built-in programmable nebulizer and to be supplied with ultrasonic nebulizer also.

9. **AC Power & Battery Indicators**
   - Loss of AC Power (visual)
   - Charging, In Use, Low
   - Main Battery in Use
   - Should have atleast one hour back-up

10. **Self Test / Self Diagnosis**
    - Quick Self Test and Extended Self Test

11. **Interface Port**
    - RS - 232 Output and Remote Communication

12. Ventilator should be EUROPEAN CE/ USFDA APPROVED

13. **Scope of supply**
    Ventilator        - 1 No
    Air supply unit   - 1 No (OPTIONAL)
    Patient Tubing (adult) - 2 Nos/unit
    Patient Tubing (paed)  - 2 Nos/unit
    Nebuliser Kit       - 10 Nos/ Ventilator
    NIV Mask with harness (Reusable) - 2 Nos in each category/ Ventilator
    Humidifier (F&P 810) with chamber - 1 No/ Ventilator
    Bacteriological filters - 10 Nos/ Ventilator

**Sign of Bidder**
14. OPTIONAL ITEM
   1. Air compressor (from the same manufacturer)

15. The quote should quote with Five years comprehensive warranty (including labour and spares) and five years CMC (including labour and spares).

16. DEMONSTRATION IS MUST AS AND WHEN REQUIRED.

   ➢ Specifications for Fiberoptic Laryngoscopes

   LED lighting
   
   White bright light
   
   Light/LED to be in the handle not the blade
   
   Rechargeable Li ion battery
   
   Long and short handle
   
   Minimum 3-4 hours operating time
   
   (Macintosh blade sizes 1, 2, 3, 4 & 5) (adult and pediatric)

   ➢ Specifications for Defibrillator

   Biphasic
   
   with screen display of
   
   heart rate,
   
   saturation,
   
   ECG etc)

   Selectable energy levels
   
   Battery back up (capable of a minimum of 50 shocks)

   Shock to shock cycle time <20s
Specifications for electric suction machine

Electric Suction Machine

- This is only a representative/indicative picture. It does not exactly meet the specifications mentioned below

- Should have 240volt rotor vacuum pump with high efficiency corrosion free vanes.
- With Twin 5000ml glass collection easy removal and installation bottles to collect the sucked liquid, each of them calibrated in 100ml steps up.
- Should have adjuster knob to regulate the precision vacuum gauge at the desired vacuum level from -0.02 to -0.09 MPa (-150–680mmhg)
- Should have both hand-switch and foot-switch controls installed in parallel.
- Corrosion free castors with foldable transport handle
- Overflow protection and air filter with proper noise insulation (low running sound)
Specifications for Arterial Blood Gas analyser

1. It should measure Blood Gas (full parameters) in its addition to measure Electrolytes like Na+, K+, Cl-, pH, pO2, pCO2, and Haematocrit.

2. Calculated parameters: TCO2, HCO3, Base Excess A-aDO2, Buffer Base etc.

3. Should display all results in print out.

4. Should have input parameters of patient Temperature, Hemoglobin FIO2, patient ID etc.

5. Should have a sample temperature control of 37 degree centigrade.

6. It should have inbuilt printer.

7. Analysis time should not be more than 90 seconds.

8. System should be based on liquid / gas calibration technology.

9. System should not be a cartridge based system i.e. electrodes should not be in the cartridge system.

10. Should work on whole blood and should have syringe and capillary sampling

11. Should be with numeric keypad, graphic / LCD display, and inbuilt printer and RS 232 port.

12. Analyzer with memory of storing patient data/result minimum 250 or more.

13. System should be supplied complete with all standard accessories, electrodes & start up kits.

14. Onboard life of reagents should not be less than one month.

15. Power input: 220 VAC + 10%, 50 Hz and a suitable one hr. back up UPS should be supplied along with analyzer. There should be storage facility of data in case of power failure.

16. Maintenance free electrode and the unit should be upgradeability for auto quality control.

17. System should be ISI/CE marked or US FDA approved.


19. Standard warranty/AMC/CMC to be considered
## Specification of Miscellaneous item

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<tr>
<th>No.</th>
<th>Item Description</th>
<th>Quantity</th>
<th>Specification</th>
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<tbody>
<tr>
<td>1</td>
<td>Guedel’s Airways</td>
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<tr>
<td>2</td>
<td>Nasal airways</td>
<td>set</td>
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<td>3</td>
<td>Bougie</td>
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<td>Intubating stylet (Adult)</td>
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<tr>
<td>5</td>
<td>Intubating stylet (pediatric)</td>
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<tr>
<td>6</td>
<td>Magill’s forceps (Adult)</td>
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<td>7</td>
<td>Magill’s forceps (pediatric)</td>
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<tr>
<td>8</td>
<td>Laryngeal Mask Airway (Classic)</td>
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<td>Intubating LMA</td>
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<td>Bain’s Circuit (Adult)</td>
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<td>Bain’s Circuit (Pediatric)</td>
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<td>12</td>
<td>Ambu Resucitation bag mask (Adult)</td>
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<td>Ambu Resucitation bag mask (Pediatric)</td>
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<tr>
<td>14</td>
<td>Oxygen masks (Adult size 3,4,5)</td>
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<tr>
<td>15</td>
<td>Rendall Becker Sauceck Mask (Pediatric size 0, 00, 000)</td>
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<tr>
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<td>Glucometer with test strips</td>
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<tr>
<td>17</td>
<td>Mc Coy blade laryngoscope</td>
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<tr>
<td>18</td>
<td>Macintosh Blade laryngoscope</td>
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MANUFACTURER’s / PRINCIPAL’s AUTHORIZATION FORM
(Clauses 12 (C) of the tender)

To

The Administrative Officer,
All India Institute of Medical Sciences
Rishikesh.

Dear Sir,

TENDER: ________________________________.

we, ______________________________________, who are established and reputable manufacturers of ______________, having factories at ______________ and ______________, hereby authorize Messrs. ________________________ (name and address of agents) to bid, negotiate and conclude the contract with you against Tender No.__________________ for the above goods manufactured by us. No company or firm or individual other than Messrs. ________________________ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

The authorization is valid up to ____________________________

Yours faithfully,

(Name)
For and on behalf of Messrs. ________________________
(Name of manufacturers)/Principal.