

**TENDER NOTICE (FIRST EXTENSION)**  
**SHRI VASANTRAO NAIK GOVT. MEDICAL COLLEG, &**  
**HOSPITAL, YAVATMAL**

In accordance with G R No.SPO-2014/C N 82)/Part III/Industry - 4 dated 30.10.2015 issued by Government of Maharashtra, Dean Shri Vasantnao Naik Govt. Medical College, & Hospital, Yavatmal invites sealed separate tenders (First Extension) in Two Envelope System for procurement of **Items Mentioned below** for the year 2015 – 2016

**(This tender form along with its Annexure will have to be written/type in entire duly filled and attested per page as per instructions)**

Scheduled to tender No.:-	GMCY/YTL/STORES/TENDER NOTICE/ 606 /16 Dated 13 /01/2016
Period for download blank tender form from website <a href="http://www.vngmcytl.org">www.vngmcytl.org</a>	From Dt 13 /01/2016 to Dt. 21 /01/2016
Last date of submission of tender	On Dt. 22 /01/2016 upto 12.00 AM
Date of opening of envelope No. 1	On Dt.22 /01/2016 at 12.30 Noon

Envelope No. 1 (Technical Bid) of the tender will be opened at College Council Hall, on 22/01/2016 at 12.30 noon in the presence of tenderer or their authorized representatives who remain present with the authority letter

Tender Sr. No	Name of the Item	Quan Requ	Tender Form Price	EMD to be submitte with the Tender
01	HYDRAULIC OPERATION TABLE (SIDE END CONTROL) (Gyna)	02	500	1600
02	LED CELLING LIGHT SINGLE DOME	01	500	1750
03	ELECTROLITE ANALYSER	01	500	1300
04	RIGID BRONCHOSCOPE WITH ACCESSORIES	01	500	2200
05	RIGID ESOPHOGASCOPE WITH ACCESSORIES	01	500	2550
06	HYDRAULIC OPERATION TABLE (ENT)	02	500	1600
07	SYRING PUMP	08	500	2800
08	INFUSION PUMP	6	500	2300

09	PULSEOXIMETER	6	500	2200
10	REDIENT HEAT WARMER	4	500	1800
13	DEFIBRILATOR	1	500	2300
14	TRINOCULAR (DIGITAL) MICROSCOPE WITH CAMERA	1	500	1400

### **INSTRUCTIONS TO TENDERERS**

The Tenders shall be submitted on or before due date in two envelope system in the Office of the Dean, Shri Vasantrya Naik Govt. Medical College, Yavatmal

The Tender form will be available online only. No tender form will be sold/issued manually from Dean Shri Vasantrya Naik Govt. Medical College, & Hospital, Yavatmal

The tender form price should be submit in the form of Postal Order or Demand Draft of any Nationalized Bank only alongwith the tender in the Technical bid in favour of Dean, Shri Vasantrya Naik Govt. Medical College & Hospital, Yavatmal.

Tenderer have to submit separate tenders for each item alongwith all required encloser. The tenderer should mention clearly Tender Sr. No, Name of the Item, & There Name & full adress alongwith email id & Contact No on the main envelope

## **TECHNICAL BID ( Part - I)**

Technical bid shall contain following documents duly certified by Notary/Gazetted Officer.

1	<p><b><u>Proforma</u></b> To be submitted along-with Technical Bid as mentioned in (<b><u>Annex- I</u></b>). In case of every offer whether indigenous or imported the name of manufacturer, address together with brand /make /model should be indicated in the tender. Any conditional offer of the tenderer will be rejected</p>
2	<p><b><u>Earnest Money deposit (EMD):-</u></b> The tenderer should pay EMD preferably in the form of <b>Bank Guarantee Valid for 1 year/ Demand Draft of any Nationalized Bank only valid for 6 months from the date of opening of technical bid.</b> The E.M.D. should be drawn in favour of "<b>Dean Shri Vasantrya Naik Govt. Medical College</b>" payable at Yavatmal. Tenderers who are exempted from payment of EMD should produce letter for exemption for the mentioned item from following Firms registered with <b>1) CSPO 2) S.S.I. Units registered with Director of industries Maharashtra State only for items manufactured by them. 3) N.S.I.C. &amp; 4) DGS&amp;D ARE EXEMPTED FROM PAYING EMD.</b> The <b>attested photo</b> copies of the registration should be attached with the tender. The EMD will be forfeited if the tenderer fails to enter into contract according to terms &amp; conditions, if accepted. EMD of the unsuccessful tenderers shall be refunded within due course of finalization of order.</p>
3	<p><b><u>Product Catalogue:-</u></b> <u>Original Catalogues / brochures showing details of Technical Specifications of Equipment should be enclosed.</u> All specification should be substantiated by data sheets in original. Photocopies of the Catalogue / Brochure will be rejected.</p>

4	Copy of Value Added Tax (VAT)/TIN Registration Certificate.
5	<b>Sales Tax / VAT Clearance Certificate:-</b> Attested copy of Sales Tax / VAT clearance Certificate clearance up to <b>31<sup>st</sup> December, 2014</b> or wherever applicable sales tax exemption certificate from sales tax authority. <b>Challan copy will not be accepted.</b>
6	<b>Authorization Letter:-</b> A dealer quoting on behalf of manufacturer must attach authorization letter from the manufacturer to sell the equipment & to do after sales services as per <b>(Annexure - II)</b>
7	<b>I.S.O. OR I.S.I. Certificates :-</b> In case of equipment with I.S.O or I.S.I mark, as per tender requirement relevant certificates from ISO or ISI should be attached.
8	<b>Compliance Chart :-</b> As per <b>Annexure - III</b> (If quoting for more than one model then separate formats should be enclosed for different models in the same envelope.)
9	<b>Users list :-</b> The tenderer should submit user list of Quoted model as per <b>Annexure - IV.</b>
10	<b>Make / Model</b> Detail of Products supplied to Govt. of Maharashtra in last 04 years as per <b>(Annexure - V).</b>
11	<b>After Sales Service:-</b> Details of Minimum 02 sales service centres in Maharashtra with complete address, phone nos., fax Nos. and E-Mails as per <b>(Annexure - VI).</b>
12	Terms & Condition Acceptance Certificate should be submitted as per <b>(Annexure - VII).</b>
13	<b>Proforma of Commercial bid (without Price) should be submitted in Envelope No. 01 (Tech. Bid) as per Annexure VIII</b>
14	<b>Original Tender Form:-</b> Tenderer's are required to sign and put official seal of the company on every page of the tender form. They are also required to sign on every page of the specification copy and affix the seal of the company at the right hand corner of the bottom of the page. <b>Authentication for Documents :-</b> The responsibility to produce correct authentication for documents rests with the tenderer. If any documents is detected to be forged, bogus etc., the tender shall be rejected and EMD shall be forfeited. Any contract entered under such condition shall also be liable to be cancelled at any time during its currency and further penal action like criminal prosecution, blacklisting etc against the said contractor and / or the partners shall be instituted.
	If ANY OF THE ABOVE DOCUMENTS / INFORMATION AS ENLISTED FROM <b>No.1 TO No.15</b> IS NOT ATTACHED WITH THE TENDER, THE TENDER IS LIABLE TO BE TREATED <b>AS INVALID.</b>
	<u>However if any discrepancy is found in the administrative documents, which have no effects on the cost in price packet Envelope, the tenderer shall have to clarify / comply within the stipulated time, their tender will be treated as Invalid..</u>

## Commercial -Bid (Part -II)

The Commercial Bid (Part-II) Should contain the price. The cost should be quoted in Indian currency only. Tenderer should quote the price proroma mentioned in **Annexure -VIII**.

All financial offers must be prepared and submitted in COMMERCIAL BID (PART II). Date of opening of commercial bid will be informed accordingly. Commercial quote in any other format shall be rejected. Conditional offers shall not be considered and shall be treated as non-responsive.

### **OTHER TERMS & CONDITIONS CONCERNING THE TENDER**

1	No. price should be quoted in <b>part I</b> (Technical Bid). If any price is quoted in technical bid, the entire tender will be tender as <b>INVALID</b>
2	Envelope No.2 will be opened only when the documents as mentioned in Envelope No.1 are in order, as per requirements and as per specifications. Valid tenderer will be informed accordingly.
3	<p><b>i)</b> The Envelop No. 2 (Commercial Bid) will be opened of only those tenderers who have submitted all the documents as per tender terms and conditions in the envelop no. 01 and are technically qualified. The demonstration of tenderer who had quoted lowest price will be taken. If two tenderers had quoted same cost of equipment, then the demonstration of both the tenderer will be taken.</p> <p><b>ii)</b> Unsatisfactory performance at demonstration will disqualify the tenderer.</p> <p><b>iii)</b> The demonstration should be done if possible at the institute . In case of heavy / bulky equipment the demonstration may be arranged at a place where the equipment is already functioning and as per convenience of the concern technical committee at the cost of the tenderer. In exceptional cases the technical committee will have the power to waive the demonstration.</p>
4	It shall be binding on tenderer to produce inspection certificate from agency specified stating that equipment is as per the technical specification laid down in the tender. Fees for such certification shall be borne by the tenderer.
5	The tender should be kept open for acceptance for a <b>minimum period of 120 days</b> from the date of opening of the Envelope No. 1 (Technical Bid).
6	There will not be any price negotiations after opening of Envelop No.2.
7	<p>The successful tenderer will have to pay a security deposit of an amount <b>equivalent to 3% of the cost</b> of the equipment offered in one of the following form.</p> <p><b>a)</b> Bank guarantee valid for three years issued by any Nationalized bank in concurrence with the Reserve Bank of India, Mumbai.</p> <p><b>b)</b> National Saving Certificate, national Defense Certificate, <u>Fixed Deposit Receipts</u> or Postal Saving Bank account placed in the name of the Dean, Shri Vasantrao Naik Govt. Medical College, Yavatmal for a period of three years.</p>

8	<p>The delivery of goods should invariably be made within <b>6 weeks</b> for indigenous items and <b>12 weeks</b> for imported items, from the date of confirm order. If the date of delivery cannot be strictly adhered to, then extension required by the tenderer should be stated in the bid. No excuses for delay by any statutory like custom etc. Will be taken into consideration for extension of the period of delivery. The primary responsibility for supply of goods in time will be rest with the supplier.</p>
9	<p><b>Penalty on late delivery :-</b> In the event of the late delivery of goods, the purchaser will recover from contractor by way penalty as per the norms mentioned in the GR of Dt 30 October 2015 on page no 90</p>
10	<p><b>Warranty Period :- (including supply of spares).</b>  The warranty period shall be for Two years from the date of commissioning of all equipments supplied as certified by the consignee. The successful tenderer must ensure 100% uptime during warranty period in case of down time, warranty period will be extended for period of down time. The tenderer will have to give Bank Guarantee (of Nationalized bank) of 5% of ordered value valid for 10 years towards performance guarantee for warranty for those items which needs to regular maintainance. If the equipment is not attended within 24 hours for Mumbai and 48 hours for other places the supplier will be liable to pay a penalty of 0.05% of purchase cost for every day of delay. Such penalty shall be recovered from the amount of bank guarantee. Certificate of such uptime / downtime shall be issued by the end user. Which shall be binding for the supplier.  Replacement of parts and service thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost. The expenditure incurred for procurement of space, transport, installation, commissioning and various duties there of shall be borne by the supplier.</p>
11	<p><b>Annual Maintenance Contract (Labour Charges) / Comprehensive Annual Maintenance Contract (Labour with Spares) :-</b>  The tenderer will have to agree to enter into a annual maintenance contract (AMC) (Labour Charges) @ <b>2%</b> of the ordered value up to Rs. 10 lacs of the equipment  Where required tenderer will have to agree for comprehensive maintenance (CMC) inclusive of all spares @ <b>5%</b> of the ordered value of the equipment. The period of such AMC / CMC will be of 8 years after completion of warranty period, In case of non-compliance of AMC/CMC the supplier will be liable to pay a penalty. Such penalty shall be recovered from the amount of bank guarantee submitted as per sr.no. 10 payment for AMC /CMC on yearly basis will be made by the user institution, at the end of year after satisfactory performance report from the end user.</p>
12	<p><b>Payment :</b>  Initial payment of 90% of the contract value will be made on delivery and installation. Remaining 10% of the contract value will be paid only on satisfactory commissioning of the machinery and submitting Security Deposit, Performance Deposit and Purchase Agreement within 30 days.</p>
13	<p>The tenderer should install the equipment in the concerned department of the institution, give demonstration free of cost and train the staff of the department (number as specified by the user.)</p>

14	If the machine is manufactured in a foreign country and the purchase orders were issued in Indian currency, if the exchange rates have been increased, no financial implications will be accepted by the concerned institution or by the Govt.
15	<p><b><u>Complaint/s :-</u></b>  Any complaint / representation regarding tender will be entertained only after depositing of <b>Rs. 5,000/-</b> in form of <b>Demand Draft</b> in the name of Dean, Shri Vasantao Naik Govt. Medical College, Yavatmal. Subsequently necessary action will be taken by the Dean and decision of Dean will be binding upon the complainant. If the complaint turns out to be false or invalid the amount will be forfeited. The Amount shall be refunded if after scrutiny the complaint is found to be true. No further complaint/ representation from the same complainant for the same tender will be entertained.</p>
16	<p><b><u>Jurisdiction of the Courts :-</u></b>  In case of any claim, dispute or differences arising in respect of tender, the cause of action shall be deemed to have arisen in Yavatmal and all legal proceedings in respect of any such claim, dispute or difference shall be instituted in a Competent Court in the city of Yavatmal</p>

THE DECISION OF THE DEAN, SHRI VASANTRAO NAIK GOVT. MEDICAL COLLEGE & HOSPITAL, YAVATMAL WILL BE FINAL AND BINDING. THE DEAN, SHRI VASANTRAO NAIK GOVT. MEDICAL COLLEGE & HOSPITAL, YAVATMAL RESERVES THE RIGHTS TO REJECT ANY OR ALL TENDERS WITHOUT ASSIGNING ANY REASON.

**I have read all the terms and conditions of the tender carefully and I agree to abide by them.**

**Signature of Tenderer with Seal**

# List of Annexure

<b>Annexure No.</b>		<b>Description</b>
<b>Annex No. I</b>	:	Proforma to be submitted along-with Technical Bid
<b>Annex No. II</b>	:	Manufacturer Authorization Letter
<b>Annex No. III</b>	:	Technical Compliance Chart
<b>Annex No. IV</b>	:	User List of Quoted Model
<b>Annex No. V</b>	:	Detail of Products supplied to Govt. of Maharashtra in last 04 years.
<b>Annex No. VI</b>	:	Details of After Sales Service Station
<b>Annex No. VII</b>	:	Terms & Condition Acceptance Certificate
<b>Annex No. VIII</b>		Proforma for Price Justification
<b>Annexure IX</b>	:	Proforma of Commercial Bid
<b>Annex No. X</b>	:	Technical Specification.

## **Annexure - I**

(on Bidders Letterhead)

### **PROFORMA TO BE SUBMITTED ALONG WITH TECHNICAL BID**

1. Name and address of the firm :-
2. Registered Head Office Postal address :-
3. Telephone No. & FAX & **E-Mail** :-
4. In case of proprietorship / Partnership firms, names of proprietors / partners/ Directors with address and percentage of share
5. Ownership status of the firm  
(Maharashtra Govt. / Central Govt./Jt. Sector /co - operative /SSI /Private)
6. Whether tendering as a manufacturer / Agent/ Distributor
7. **Name & Phone no. who should be contacted by this office in case of any urgent problem.**
8. Location of other manufacturing work/factory/factories owned by the firm (if any).

I / we hereby declare that particulars furnished above are true to the best of my /our knowledge and belief and that if any of the particulars is found to be materially incorrect / misleading, my /our tender shall be rejected and I / we are liable for penal action as per terms specified in the " term and conditions of tender".

**Date :-**

**Full Signature of the tenderer  
with official seal and address**



**ANNEXURE II**

<b>Manufacturer's Letter Head</b>
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Ref :-

Date :-

To,  
The Dean,  
Shri Vasantao Naik Govt. Medical  
College & Hospital, Yavatmal

Dear Sir,

I /We the undersigned who is/are authorized signatory/signatories of the  
Manufacturing Firm M/s.....  
(Name & complete address)  
do hereby authorizes M/s ..... to quote  
(Name & complete address)  
rates/collect the orders/raise the bills for the items manufactured by me/us under  
the Tender No. ....

I/We have gone through all the terms and conditions and read important  
instructions of the tender and will be binding on me /us and also the Distributor/  
Dealer / Agent M/s. ....appointed by  
(Name & complete address)  
me/us during the whole contract period including extension period of the said  
contract.

We hereby confirm that after sale services of our product will be provided by  
above said authorized distributor.

Manufacturer's Authorized Signature with Stamp and Seal
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**ANNEXURE III**  
**Technical Compliance Chart**

(on Bidders Letterhead)

Equipment Name - \_\_\_\_\_ Make & Model: \_\_\_\_\_

Sr No	Tender specifications as asked in the tender form	Equivalent specifications quoted by the tendered with the name of the manufacturer	Whether the tender quoted by the supplier is as per specifications asked for Indicate against each item clearly <b>YES/NO</b>	If the tender quoted is not as per specifications then variations/deviations should be clearly indicated against each item asked for.
1	2	3	4	5

**ANNEXURE IV**  
**User List of Quoted Model**  
 (on Bidders Letterhead)

Name of the Equipment:- \_\_\_\_\_

Sr No	Model No	Name and Address of Institute	Authorized Contact Person	Tel, Fax & Mobile No	Date of Supply
1	2	3	4	5	6

**ANNEXURE V**  
**Detail of Products supplied to Govt. of Maharashtra in last 04 years.**  
 (on Bidders Letterhead)

Specify how much quantity of products were supplied to the Government of Maharashtra in the last four years as shown below (use separate sheet if necessary).

Year	Name of the Equipment	Quantity of supply	Amount of business Rs	Name of the store Institute to whom supply is made
1	2	3	4	5

**ANNEXURE VI**  
**Details of After Sales Service Station**  
 (on Bidders Letterhead)

Name of the Equipment:- \_\_\_\_\_

Sr. No.	Name of the Agency	Full Address with Pin code	Contact Person Name	Contact Numbers with STD code		
				Tel (Off)	Fax	Mobile No.
1	2	3	4	5	6	7

**ANNEXURE VII**  
(on Bidders Letterhead)

**Terms & Condition Acceptance Certificate**

Ref :-

Date :-

To,  
The Dean,  
Shri Vasantnao Naik Govt. Medical  
College & Hospital, Yavatmal

**Ref:- Tender Document No \_\_\_\_\_ Date \_\_\_\_\_**

Respected Sir,

I /We the undersigned have examined the above mentioned Tender Enquiry document, including Amendment / Corrigendum No. \_\_\_\_\_ Dt \_\_\_\_\_ (if any), the receipt of which is hereby confirmed.

If our tender is accepted we undertake to supply the goods & perform the services as mentioned in Tender Enquiry Document in accordance with the delivery schedule.

We further understand that you are not bound to accept the lowest or any tender you may receive against your tender enquiry.

We confirm that we fully agree to the terms and conditions specified in above mentioned Tender Enquiry document including Amendment / Corrigendum if any.

**Sign and Office seal of the Tenderer**

**ANNEXURE - VIII**

**Proforma for Price Justification**

(on Bidders Letterhead)

Tender No.

Date :-

To,  
The Dean,  
Shri Vasantrya Naik Govt. Medical  
College & Hospital, Yavatmal

**Ref:- Tender Document No \_\_\_\_\_ Date \_\_\_\_\_**  
**Higher Price / Lower Price Certification**

Respected Sir,

I /We \_\_\_\_\_ hereby certify that the price quoted by us in tender no. \_\_\_\_\_ are our best price based on tender quantities.

We also wish to disclose that the prices lower than price quoted may be applicable to other Govt. Dept. / Institution or any other institute and such lower prices are solely on account of terms of sales and other condition applicable during Pendency of such contract.

**Sign and Office seal of the Tenderer**

**ANNEXURE - IX**

**Proforma of Commercial Bid**

**[COMMERCIAL OFFER]**

Note:-For price / commercial bids, online forms will be provided during bid preparation stage where bidders should quote the prices as per the bid requirement.

- 1)Tender Ref No. :-
- 2) Due on :-
- 3) Sr No & Name of Equipment :-

**PART -A**

Description	Basic Unit Price	VAT / CST (___%)	Octroi (___%)	Any Other Taxes	Total	Quantity	Total Price X — Quantity
	(a)	(b)	(c)	(c)	(a)+(b)+(c)+(d)=(f)	(g)	(f) X (g)

We fully agree to the terms and conditions specified in Tender document, including amendment / corrigendum if any

**Full Signature of the tenderer with  
official Seal & Address**

**PART -B (Essential Accessories)**

Description	Basic Unit Price	VAT / CST (___%)	Octroi (___%)	Any Other Taxes	Total	Quantity	Total Price X — Quantity
	(a)	(b)	(c)	(c)	(a)+(b)+(c)+(d)=(f)	(g)	(f) X (g)

We fully agree to the terms and conditions specified in Tender document, including amendment / corrigendum if any

**Full Signature of the tenderer with  
official Seal & Address**

**PART -C (Optional Accessories)**

Description	Basic Unit Price	VAT / CST (___%)	Octroi (___%)	Any Other Taxes	Total	Quantity	Total Price X — Quantity
	(a)	(b)	(c)	(c)	(a)+(b)+(c)+(d)=(f)	(g)	(f) X (g)

We fully agree to the terms and conditions specified in Tender document, including amendment / corrigendum if any

**Full Signature of the  
tenderer with official Seal &  
Address**

## **CHECK LIST OF THE TENDER DOCUMENTS**

### **List of Documents/ Information should be submitted with Tender.**

The following documents should be submitted with the Tender Document with page number on each document as per the order given below.

<b>Sr. No.</b>	<b>PARTICULARS</b>	<b>Page No</b>
	<b><u>Envelope No. I (Technical Bid)</u></b>	
1	Proforma as per <b>Annex No. I</b>	
2	Detail of the Postal Order submitted as a tender form price Rs. 500/-	
3	<b>EMD</b> : Copy of demand draft / Bank Guarantee/ certificate for exemption of EMD	
4	Copy of Value Added Tax (VAT)/TIN Registration Certificate	
5	Sales Tax /VAT Clearance Certificate	
6	Copy of Certificate of registration under company registration act 1913 & 1956 (If Applicable)	
7	Manufacturer Authorization Letter as per <b>Annex No. II</b>	
8	Technical Compliance Chart as per <b>Annex No. III</b>	
9	User List of quoted model as per <b>Annex No. IV</b>	
10	Detail of Products supplied to Govt. of Maharashtra in last 04 years as per <b>Annex No. V</b>	
11	Details of After Sales Service Station as per <b>Annex No. VI</b>	
12	Terms & Condition Acceptance Certificate as per <b>Annex No. VII</b>	
13	Proforma of Commercial Bid (without Price) as per <b>Annex No. VIII</b>	
14	Scope of Supply ( Technical Offer)	
15	Original Product Catalogue / Brochure	
16	Original Tender Form duly signed and official seal of the company on every page of the tender. Original specification copy only for quoted Item duly signed as per <b>Annex X</b>	
17	Copy of memorandum and articles of Association ( If Applicable)	
18	The requisite certificate ISO, ISI, UL, BIS, CE, USFDA etc. as per Technical Specification in <b>Annex. No. X</b> ( If Applicable)	
19	<b>Total Documents in Technical Bid Page No. _____ to _____</b>	
	<b><u>Envelope No 2(Commercial Bid)</u></b>	
20	<b>COMMERCIAL OFFER</b> as per <b>Annex No. VIII</b>	

**Full Signature of the tenderer**  
**with official Seal & Address**

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 1**

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**SPECIFICATION FOR GYNAECOLOGY OPERATION TABLE SIDE END CONTROL**

- Five section table top
- U notch to seat section
- SS covered ms base with wheels to move table in OT area
- SS lever for foot operated floor locking system & SS foot railing
- Hydraulic pump controlled by SS lever for up/down movement concealed in base & SS covered central chamber with three slides.
- Leg section detachable provide easy lithotomy position.
- smooth gear mechanism to avail all operating positions with MS painted side tilt system
- SS handle for all positions.
- ISI, ISO & CE CERTIFIED
- Accessories
  - Mattress 1 set
  - Anaesthetic screen 1 pcs
  - Padded shoulder support 2 pcs
  - Padded side support 2 pcs
  - Padded lithotomy crutches 2 pcs
  - Padded arm rest 2 pcs
- Overall diamentions

Over all length of table	1800 -1900 mm
Overall width of table	500 mm
Minimum height of table	750-780 mm
Maximum height of table	950-1000 mm
Trendlenberg/Revtrendlenberg	30 Degree
Side Tilt	22 Degree
LEG Section	90 Degree down

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 2**

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**SPECIFICATION FOR FOUR REFLECTOR LED SINGLE DOME CEILING LIGHT**

1. Luminance : 125000 to 140000 lux
2. Configuration required ceiling
3. Led service life > 50000 hrs
4. Colour temperature 3200 to 5200 K
5. Colour rendering index 90 to 91 Ra
6. Reflector : four
7. Spot diameter 100 to 150 mm
8. Depth illumination 10 to 15 cm
9. Focusing Manual
10. Diameter of light 550 to 580 mm
11. Brightness adjustment Nearly 0-100 % from panel or remote control
12. Intensity control 10~100 digital
13. Number of LED 70 to 76
14. Power 220 to 230 V/50 to 60 Hz
15. Pure white like natural day light bright and real cool light .
16. Low energy consumption high efficacy very low heating
17. No harmful radiation, ecofriendly, no spark production
18. Two years warranty including LED bulb, No other cost of maintainance than electricity.
19. It should be ISI, ISO, CE Certified.
20. Demo to be given at SVNGMC Yavatmal.



**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 3**

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**SPECIFICATIONS FOR ELECTROLYTE ANALYZER**

1. It should be an easy operation instrument for Electrolytes Na+, K+, Cl – based on the principle of Ion Selective Electrodes.
2. It should perform the test using whole blood, serum plasma and Urine.
3. The required sample volume should not be more than 100 to 110 microliters for whole blood, serum and plasma and 400 to 450 microliters for Urine.
4. It must have automatic probe wiping facility to avoid manual contaminations.
5. The system should have an automatic calibration after or more than 3 hrs and not after every sample to avoid unnecessary reagent consumption.
6. Apart from automatic calibration the user should be able to calibrate the machine as and when required.
7. The sample processing time should not be more than 60 seconds (for whole blood, serum and plasma) and 100 seconds for urine samples.
8. The instrument should be upgradable to an automated walkaway system which is able to carry atleast 150 test/hr.
9. The instrument should be able to store minimum 120 patients results in its memory and minimum 15 normal and 15 abnormal QC results for quality reports.
10. The Electrodes should be preferable maintenance free or easily maintainable with minimum possible keys of the instrument.
11. The reproducibility of the results should not vary more than CV  $\leq$  2% (for whole blood, serum and plasma ) and CV  $\leq$  5% (for Urine).
12. Free reagents for six months should be provided along with instrument considering workload of 15 samples per day.
13. Two years comprehensive warranty (including electrodes) to be provided and CMC after warranty for 5 yrs.
14. The list of users should be provided with contact numbers and preferable with e-mail IDs
15. Demonstration is compulsory
16. Training to be provided.
17. Operator's manual and detailed service manual to be supplied along with machine.
18. Tropicalization :        Operating upto 40 C  
                                      Storage room temperature up to 40 C.  
                                      Relative humidity 90% non condensing.

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 4**

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**SPECIFICATION FOR REGID BRONCHOSCOPY SET WITH ACCESSORIES**

**Department of ENT**

1	Bronchoscope Tube, Negus Broyles, Lumen 9 mm, Length 40 cm	1 no
2	Fibre Light Carrier, for Bronchoscope, OD 2m. Length 40 cm.	1
3	Bronchoscope tube, Negus Broyles, Lumen 8 mm, Length 40 cm	1
4	Fcps, Tubular, Peanut/soft tissue, S/A OD 2.5 mm Length 45 cm	1
5	Fcps, Tubular Patterson, S/A OD 2.5 cm, Length 45 cm	1
6	Suction tube rigid with thumb control & stillet. OD 2.5 mm length 45 cm	1
7	Bronchoscope tube, Negus Broyles, Lumen 5 mm, Length 35 cm	1
8	Bronchoscope tube, Negus Broyles, Lumen 6 mm, Length 35 cm	1
9	Fibre Light Carrier for Bronchoscope OD 2m. Length 35 cm	1
10	Fcps, Tubular, Peanut/soft tissue. S/A OD 2.5 mm Length 40 cm	1
11	Tubular, Universal, Biopsy and grasping S/A OD 2.5mm Length 40 cm	1
12	Suction Tube, rigid with thumb control & stilette. OD 2.5 mm/Length 40 cm	1
13	Bronchoscope Tube, Negus Broyles, Lumen 4 mm. Length 30 cm	1
14	Fibre Light Carrier for Bronchoscope OD 1.5 mm Length 30 cm	1
15	Bronchoscope Tube, Negus Broyles, Lumen 3.5 mm Length 30 cm	1
16	Bronchoscope Tube, Negus Broyles, Lumen 3mm Length 30 cm	1
17	Fcps, Tubular Peanut/Soft tissue. S/A OD 1.5 mm Length 35 cm	1
18	Cold Light source compatible with above scopes with dual LED bulbs.	1
19	Cold Light source compatible with above scopes with dual Halogen bulbs.	1
20	Fibre Optic Light Source cable with length 180 cm	

All the forceps, suction tubes and other accessories should be compatible with Bronchoscopy tubes.

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 5**

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**SPECIFICATION FOR REGID OESOPHAGOSCOPY SET WITH  
ACCESSORIES**

**Department of ENT**

1	Esophagoscope tube, Robert-Jesberg-Lumen 12 x 16 mm Length 50 cm.	1
2	Fiber light carrier for jesberg Esophagoscope, OD 2.0 mm length 50 cm	1
3	Fcps, Tubular, Peanut/soft tissue. S/A OD 3 mm length 55 cm	1
4	Fcps, Tubular Univarsal biopsy and grasping S/A OD 3mm Length 55 cm	1
5	Suction tube rigid with thumb contraol & stillete OD 3mm Length 55 cm	1
6	Esoghagoscope tube, Robert Jesberg. Lumen 8 mm x 12 mm	1
7	fibre light Carrier for Jesberg Esophagoscope OD 2mm Length 50cm	1
8	Fcps, Tubular Peanut/Soft tissue S/A OD 2.5 mm Length 50 cm	1
9	Fcps, Tubular Universal biopsy and grasping S/A OD 2.5 mm Length 50 cm	1
10	tubular, rotation Tenaculum Points S/A OD 2.5 mm Length 50 cm	1
11	Suction tube righd with thumb control & stilette. OD 2.0 mm Length 50 cm	1
12	Esophagoscope tube, Robert Jesberg. Lumen 8 mm x 12 mm. Length 30 cm	1
13	Esophagoscope tube, Robert Jesberg. Lumen 10 mm x 14 mm. Length 30 cm	1
14	Esophagoscope tube, Robert Jesberg. Lumen 12 mm x 16 mm. Length 30 cm	1
15	Fibre Light Carrier for Jesberg Esophagoscope. . OD 2.0 mm Length 30 cm	1
16	Fcbs, tubular Roatation Tenaculum Points S/A . OD 2.5 mm Length 40 cm	1
17	Fcbs Tubular Peanut/Soft tissue S/A . OD 1.5mm Length 35 cm	1
18	Fcbs Tubular Universal biopsy and grasping S/A . OD 1.5 mm Length 35 cm	1
19	Suction Tube, rigid with thumb control & stilette . OD 2.0 mm Length 35 cm	1
20	Esophagoscope Tube, Robert Jesberg. Lumen 12 mm x 16 mm Length 27 mm	1
21	Fibre Light carrier for jesberg Cricopharyngoscope . OD 2.0 mm Length 27 cm	1
22	Fcps, Tubular Alligator-grasping S/A . OD 1.0 mm Length 30 cm	1
23	Fcps, Tubular Peanut/Soft tissue. S/A . OD 1.0 mm Length 30 cm	1
24	Fcps, Tubular Patterson S/A . OD 1.0 mm Length 30 cm	1
25	Fcps, Tubular Circular 1.2 mm cup S/A . OD 1.0 mm Length 30 cm	1
26	Cold Light source compatible with above scopes with dual LED bulbs	1
27	Cold Light source compatible with above scopes with dual Halogen bulbs.	1
28	Fibre Optic Light source cable with length 180 cm.	1

All the Forceps, suction tubes and other accessories should be compatible with Oesophagoscopy tubes.

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 6**

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**SPECIFICATION FOR ENT OPERATION TABLE**

Weight	30 INC Minimum
	40 INC Maximum
Overall Length	192 cm
Width over side railing	57 cm
Lift	10/12 inches
<b>POSITION</b>	
Trendelenburg and Reverse Trendelenburg	25'
Hand section detachable	90' up
Flex/Reflex	30'/220'
Lateral Tilt	22' (both side)
Leg section	90' Down (manual)
<b>STANDARD ACCESSORES</b>	
Anaesthetic Frame	1 pc
Arm Board with SS Top	1 PC
Wrist strap	1 Pair
Shoulder support with pad	1 Pair
Lateral support with pad	1 pair
Water proof rubber mattress (antistatic)	1 Pair
Lighotomy crutches	1 Pair

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 7**

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**SPECIFICATION OF SYRINGE INFUSION PUMP**

- 1) **Power Supply:** - AC power source 180 to 270v, 50Hz, automatic charge over battery at least less than 180v.
- 2) **Battery:** - Nicd 12v rechargeable battery. Operates on battery for 4 hours @ 5 ml/ Hr flow rate on 50 ml syringe.
- 3) **Applicable syringe:** - 10ml, 20ml, 30ml, 50ml & 100ml syringe from any brand syringes.
- 4) **Flow rate charge:-** 0.1 to 240ml/Hr ( 10ml syringe)  
0.1 to 400ml/Hr ( 20ml syringe)  
0.1 to 600ml/Hr ( 30ml syringe)  
0.1 to 840ml/Hr ( 50ml syringe)  
0.1 to 999ml/Hr (100ml syringe)
- 5) **Infused Volume Range:-** 0.1 to 999ml
- 6) **Elapsed time:-** Visual display of elapsed time from 00.00 to 99.59 (Hr-min)
- 7) **Accuracy:-** mechanical accuracy +1% including syringe + 3%
- 8) **Bolus :** Purge bolus & auto bolus  
Bolus rate:- Programmable by user from 200ml/ Hr for 10 ml syringe, 360ml/Hr for 20ml syringe, 560ml/ Hr for 30ml syringe, 800ml/Hr for 50ml syringe, 999ml/Hr for 100ml syringe.
- 9) **Bolus volume:** - Programmable by user from 0.1ml to 5 ml in 0.1ml increments (auto Bolus).
- !0) **five programme Mode:** - 5 programmable dosages can be stepped up or stepped down by interval programmed by user. Sequential programme of 5 different flow rate at different time or volume target.
- 11) **Drug library available.**
- 12) **KVO Programmable** by user from 0.0ml/hr to 9.9ml/hr in 0.1 ml increments.
- 13) **Occlusion pressure** 10 steps selection from OFF to 9 for occlusion sensitivity.
- 14) **Alarms:**
  - AL1- Syringe holder distributed during infusion.
  - AL2- Target volume recharged.
  - AL3- Target time reached.
  - AL4- Battery discharge.
  - AL5- Monitor unable to drive.
  - AL6- End of syringe.

AL7- PCA probe disconnected

AL8- Occlusion.

**15) Flow rate setting**

Type 1- set flow rate only

Type 2- Set flow rate & target volume.

Type 3- Set flow rate & target time.

Type 4- Set target volume & target time thereby flow rate is automatically calculated & set.

Type 5- Can vary the set flow rate, target volume & target time while infusion.

**16) Indication:** - Audible & visual alarm for

a) Near empty- 3 min approx before end of syringe.

b) Battery low- 10 min approx before full discharge.

c) Operation on battery.

**17) Special function:** - Adjustable buzzer volume (off to 9)

Last data retrievable.

**18) PCA dose** can be present from 0.1 to 10 ml in 0.1 ml increments. Locking time interval between two dose 0 to 24 hours in steps of 1 min , delivered & non delivered display.

**19) Safety Testing:** - IEC 601-01

**20) Dimension:** - 275x161x112

**21) Weight:** - 2.5 Kg

22) Custom syringe, automatic syringe.

**23) Display** LED & LCD

**24) Accessories:-** Power cord , operator manual.

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 8**

.....

**TECHNICAL SPECIFICATION FOR VOLUMETRIC  
INFUSION PUMP**

- Peristaltic Infusion Pump, USFDA Approved.
- **Pump Should deliver Rate 0.1 ml/hr to 999.9ml/hr Smallest increment of 0.1 ml/hr**
- **Pump Should deliver volume pre-selection 0.1ml to 9999.9 ml**
- **Time pre-selection max 99 hr 59 min**
- Automatic calculation of Delivery Rate – from volume and Time
- **Purge Parameters : Bolus Volume 0.1 to 99.9/500.0ml  
Bolus Rate 1 to 600ml/hr.**
- Three Method for giving bolus :-
  - a. Bolus with volume pre-selection.
  - b. Bolus without volume pre-selection.
  - C Interval Bolus
- **Dosage calculation.**

It should calculate the delivery rate in ml/hr by putting the parameter like concentration, weight of patient optional and entry of dosage
- **Piggyback Function Possible.**
- Online rate change possible
- Loud Pump should have alarm Tone.

The Loudness of the audible alarm should be adjustable through Keypad.
- Pump should deliver Standby Infusion Pause : max 99 h 59 min ., pre-set values remain stored
- Drug Selection : should Display od up to 9 drug names
- Pump should deliver Deactivation of Drop Control – In conjunction with volume pre- selection
- **Data Lock** : It should lock the keypad against unwanted alteration of the parameter entered.
- Pump should deliver Variable occlusion pressure Low & High
- **Pump should work with any slandered Medical Grade PVC I.V. Sets**
- Pump should deliver Battery capacity Display : In Hr and Min
- Pump should deliver Interpreted Service Program For individual configuration of the Function Spectrum
- **Pump should deliver Large illuminated LCD Display**
- History Function

It should be equipped with a History Function Memory of events.

The memory records should show last 350 events time and date related:

Set delivery rate

Changes of the tare

Switching on/off

Start/stop of Infusion

Remote Control

Operating & Device alarms

- **Safely systems** : Drop control – operation possible with or Without Drop sensor
- Flow Clamp - Prevents Free Flow when pump Door is opened
- Air Detector – Minimizes the Risk OF Air Infusion

• **Visual And Acoustic Alarm With Automatic Pump Stop Function:**

- - Pressure Alarm
  - Drop Alarm
  - Air Alarm
  - Standby Alarm
  - Volume Infused alarm
  - Standby Alarm
  - Door open Alarm
  - Battery pre-Alarm
  - Recall Alarm
  - KOR- Alarm
  - Invalid Rate

• **KOR Keep Vein open Rate** : For

Delivery Rate 10 ml/hr = 3 ml/hr

Delivery Rate 10 ml/hr = 1 ml/hr

Delivery Rate 1 ml/h = STOP

- External extra – low voltage 12VDC
- Staff call Max 24V/1A/24VA
- Battery Type : -Lithium
- **Battery Operating Time 3.0 hr at highest delivery rate**
- Date & time should be adjustable.
- **Info Query** : current Volume, Current Time, Dosage, Battery Capacity , Hours of operation



**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 9**

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**SPECIFICATION OF PULSEOXIMETER**

- Monitor should have facility for SPO2.
- Monitor should have facility for Adult, pediatric & neonatal modes.
- Monitor should have integrated display of 10.4" screen.
- Display type should be high resolution active matrix TFT.
- Monitor should offer 2 waveforms with respective numerical display.
- Display resolution should have 800x 600 pixels.

**Pulse Oximetry:**

- Measurement Range: - 0 to 100%.
- Pulse Range: - 30 to 300 bpm.
- Accuracy: - +/- 2%.
- Should be supplied with flexible reusable adult, pediatric, neonatal finger sensors.

**General**

- Trends should be available in graphical & tabular format.
- Monitor should provide various screen option with big numerical.
- Monitor weight should be around 5 Kg.
- The Monitor should have minimum 3 Hrs. batteries backup.
- Nellcor digital SPO2 technology.
- 168 hours tabular & graphical trends & storage
- Backlight buttons, easy to operate at night.
- Lithium battery
- Extra large alarm lights.
- **Safety:** IEC60601 (GB9706) & ISO 9001, US FDA approved
- **Dimension:** 340mm (W) x 270mm (H) x 215mm (D)
- **Power supply:** 90-280 volts AC 50/60 Hz.
- **Alarm Indication:** Visual as well as audible alarm.

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 10**

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**TECHNICALS SPECIFICATION FOR RADIANT HEAT WARMER**

**Department of Paediatrics**

**Micro Computer Temperature Controller**

- Micro Processor Technology Which Provides assurance in maintaining accurate set temperature
- User friendly touch control
- Comprehensive/Easily understandable Alarm & Safety cut-off.
- Facility to auto reset the system, in case of hang –ups caused by power fluctuation
- Availability of locked key pad facility which avoids any accidental changes for set parameters.
- Facility for conversation of Celsius / Fahrenheit
- Software based calibration facility facility

**HEATER BOX**

- Use of Ceramic infra Red Heater Which Provides higher I power output and are also more durable as compare to any tubular silicon quartz glass heaters
- X-Ray Facility by means of swiveling source box (optional)
- Use of heater grill & stainless steel reflection for easy cleaning process.

**HALOGEN EXAMINATION LAMP**

- Appropriate use of lights to assess infant color during examination procedures.
- MECHANICAL SPECIFICATION
- Easy access of infant from all sides thick Acrylic side panels which are collapsible
- X-Ray cassette positioning provided.
- Acrylic Baby tray with foam mattress & facility of infants head up/down
- Instrument tray pole for infusion pump along with IV stand
- Stainless steel baby tray with facility of under surface phototherapy
- Mounted on castors for easy mobility

**TECHNICAL SPECIFICATION**

- Power consumption :800 watt at 100% Heater power
- Power Source : 230A/C,+/-10%,50Hz,
- Light Source: 50 watt lamp to examine babies.
- Heater Capacity: 650 watts.

**SKIN / AIR MANUL (DUAL)**

1” Bright skin temp display

1” Bright air temp display

Numeric % of heater output display

Separate C/F display

Three mode of warming i.e. skin, air & manual

**Apgar Time**

Attend Baby alarm

**MANUAL MODE**

Time programmable

Heater Output adjustable

Over temp: CUTT OFF

Individual LED for selection

Of mode (Skin Air & Manual)

**SETEMP RANGE**

Skin temp: 20C to 40C

Air temp: 20C to 40C

Resolution: 0.1C

Accuracy: 0.1C

**SAFETY ALARMS**

Skin Temp: >0.5C

Skin Low: < 0.5C

Skin High Range: >38C-HI

Skin Low Range: <34C-LO

Skin Probe Fail: PFL

Air High: >1.5C

Air Low: <3.0C

Air High Range: >39C

Air Probe Fail: PFL

Heater Fail: HFL

System Fail: SFL

**SAFETY HIGH TEMP CUT OFF**

Skin Temp: 38C

Air Temp: 39

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 13**

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**Defibrillator**

**Technical Specifications**

- Biphasic Defibrillator with Monitor and Recorder Synchronized Cardio version
- Non fade display LCD / TFT
- Biphasic transthoracic (external) defibrillation waveform delivery system.
- Cardio version: Defibrillation output synchronized to ECG, with sync Indicator
- Energy Charging Control on front panel & Apex paddle
- Charge Indicators: Visual indication of charging process
- Audible indication of charge up to selected energy level selected energy level value displayed on monitor.
- Charging Time: Less than 10 sec for Maximum Energy
- Energy Delivery: Control on Sternum & Apex paddle.
- Waveform Trace speed. 25 mm/sec.
- Screen size: approx.5.5 inch. Or more diagonal.

**PARAMETERS:**

- ECG
- Numeric: Heart Rate -
- Waveform: ECG Trace
- Lead Selection: Paddles and Lead I,II & III through patient cable
- Variable gain: to adjust size of ECG wave form

**OUTPUT PARAMETERS:**

- **ENERGY**
- Delivered Energy. Adjustable from 2-200 Joules for External Defibrillation
- Adjustable from 3 to 50 Joules for internal / Pediatric Defibrillation

▪ **ALARMS:**

- High and low Heart rate alarms
- Low battery warning

**Other features:**

- Recorder for ECG waveform and printing of Defibrillation energy
- **Pacing Facility**
- **AED Facility**
- 3 channel Recorder speed: 25 mm/sec
- AC 220V / 50Hz
- Built-in Rechargeable battery with charger for 3 hour operation & minimum 50 shocks at max. Energy.
- External Pediatric Paddles attachment

**ANNEXURE - X**

**SPECIFICATION OF TENDER ITEM NO 14**

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**Digital Microscope with Camera and Screen:**

**Specification:**

Digital Camera: 0.3 MP CMOS digital camera, USB 2.0 output

Binocular Head: Seidentopf type Binocular Head, Inclined at 30°, Interpupillary Distance 55 - 75 mm.

Nosepiece: Backward Quadruple Nosepiece.

Objective: Semi-plan Achromatic Objective 4X, 10X, 40X, 100X.

Condenser: NA 1.25 Abbe Condenser with iris diaphragm and filter, rack and pinion adjustment.

Mechanical: Double Layers Mechanical Stage 140X140 mm / 75X50 mm.

Stage illumination: Halogen lamp 6 V / 20 W, Brightness Adjustable, Kohler Illumination

Filter: Blue and Green Filter.

Software: Scope Image Advanced.