

**कार्यालय अधिष्ठाता श्यामशाह चिकित्सा महाविद्यालय रीवा म0प्र0**

क्रमांक ..... / क्रय / एम.सी. / 2015

रीवा दिनांक .....

**द्वितीय अल्पकालिक निविदा सूचना**

माननीय म0प्र0 उच्च न्यायालय जबलपुर में विचाराधीन याचिका क्र. 17081 / 12 एवं 12191 / 13 में माननीय न्यायालय द्वारा दिनांक 28.01.2015 को पारित अन्तरिम आदेश के पालन में चिकित्सा महाविद्यालय रीवा अन्तर्गत ईएनटी विभाग हेतु एमसीआई से मान्यता प्राप्त करने के लिये आवश्यक उपकरणों के क्रय के लिये मोहर बंद द्वितीय अल्पकालिक निविदायें पंजीकृत एवं अनुभवी निविदाकारों से वर्ष 2014-15 के लिये आमंत्रित की जाती है।

निविदा फार्म, शर्तें एवं अन्य विस्तृत जानकारी अधोहस्ताक्षरी के कार्यालय में कार्यालयीन समय एवं कार्यालयीन दिवसों में एवं महाविद्यालय की वेबसाइट [www.ssmcrewa.com](http://www.ssmcrewa.com) में देखी जा सकती है। प्रत्येक निविदा फार्म हेतु रु.5000/- (रु. पाँच हजार) मात्र का बैंक ड्राफ्ट **अधिष्ठाता एवं मुख्य कार्यपालन अधिकारी, श्यामशाह चिकित्सा महाविद्यालय, रीवा (म.प्र.) (Dean & CEO, S.S. Medical College, Rewa M.P.)** के नाम जमा कर निविदा फार्म निर्धारित तिथि तक प्राप्त होगा। यह राशि वापस नहीं की जावेगी। कार्यालय से निविदा फार्म प्राप्त करने, कार्यालय में जमा करने तथा प्राप्त निविदाओं को खोलने का विवरण निम्नानुसार है :-

क्र.	विवरण	कोरे निविदा फार्म प्राप्त होने की अन्तिम तिथि	भरे हुये निविदा फार्म जमा करने की अन्तिम तिथि	निविदा एवं तकनीकी बिड खोलने की तिथि
1.	ईएनटी विभाग हेतु एमसीआई से मान्यता प्राप्त करने के लिये आवश्यक उपकरणों के क्रय हेतु	दि. 20.02.2015 सायं 5.00 बजे तक।	दि. 23.02.2015 सायं 5.00 बजे तक।	दि. 24.02.2015 अपराह्न 12.30 बजे।

यदि उपरोक्त दिवस को शासकीय अवकाश घोषित हो जाता है तो अगले कार्य दिवस में तिथि बढी समझी जावें। निर्धारित समयावधि में सीलबंद प्राप्त निविदायें चिकित्सा महाविद्यालय के कान्फ्रेस हाल में खोली जावेगी जिसमें निविदाकार या उनके प्रतिनिधि उपस्थित रह सकते हैं। इस हेतु पृथक से कोई सूचना नहीं जारी की जावेगी।

अधिष्ठाता  
श्यामशाह चिकित्सा महाविद्यालय,  
रीवा म0प्र0

**DEAN**  
**S.S.MEDICAL COLLEGE, REWA**



**TENDER FOR E.N.T. DEPARTMENT**  
**EQUIPMENTS**

**Tender Year 2014-15**

**Rs- 5000/-**  
**(Rs. Five Thousand Rupies Only)**

# **OFFICE OF THE DEAN S.S.MEDICAL COLLEGE REWA(M.P.)**

## **TENDER FOR E.N.T. DEPARTMENT EQUIPMENTS**

No. / Pur. Sec / Tender / 2014 –15 Rewa , Dated .....2015

Tender will be sold up to - 20.02.2015 - at 5.00 PM

Tender to be submitted up to - 23.02.2015 - at 5.00 PM

Tenders will be opened on - 24.02.2015 - at 12.30 PM

### **TERMS & CONDITIONS**

Tenders are invited for financial year 2014 – 2015 for supply of E.N.T. EQUIPMENTS.

### **Equipments wise Security Deposit list :-**

Sr. No.	Equipments Names	Security Deposit
1-	ENT OPERATING MICROSCOPE WITH HD CAMARA, HD MONITER, BEAM SPLITTER CCTV ATTACHMENT INCLIND SIDE VIEWING TUBE (FOR MAJOR O.T.)	Rs. 2,00,000/-
2-	ENT DIGNOSTIC MICROSCOPE (FOR MINOR O.T.)	Rs. 60,000/-
3-	ENT MICROSCOPE FOR TEMPORAL BONE LAB	Rs. 10,000/-
4-	ELECTRONYSTAGMOGRAPHY (ENG) MACHINE	Rs. 40,000/-
5-	HIGH SPEED DRILL SYSTEM IN ENT OPERATION THEATER	Rs. 5,000/-
6-	HIGH DEFINATION DIGITAL CAMERA WITH RECORDING SYSTEM	Rs. 1,250/-
7-	ACCESSORIES OF NASAL ENDOSCOPE / FESS INSTRUMENTS	Rs. 15,000/-
8-	NERVER STIMULATOR / MONITOR	Rs. 15,000/-
9-	MICRO EAR SURGERY INSTRUMENTS	Rs. 10,000/-
10-	FLEXIBLE FIBREOPTIC BRONCHOSCOPE	Rs. 25,000/-
11-	FLEXIBLE FIBREOPTIC OESOPHAGOCOPE	Rs. 25,000/-
12-	ENT CRYOSUGISUGICAL UNIT	Rs. 25,000/-

- 1) These tenders are for the financial year 2014 – 2015 effective up to 31st March 2015.
- 2) Tenderer should be either manufacturer of products or authorized distributor of manufacturer Company.
- 3) Tender received after schedule of date & time will be rejected.
- 4) The details of envelops are as follows:-

Envelop "A" for Earnest Money  
Envelop "B" for Technical Bid  
Envelop "C" for Price Bid (Hard copy & Soft copy)

**Note :** Envelope B ; Technical Bid should contain documents as per check list enclosed.

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All three envelop A, B and C should be separately sealed and all the three sealed envelop shall be kept in an outer envelop and this should reach to office of the Dean S.S. Medical College, Rewa on or before 23.02.2015 at 5:00 P.M. . Tender will be opened in the conference hall of SSMC Rewa at 12.30 P.M. on 24-02-2015 in the presence of the present tenderers or their representatives. Technical bid will be opened first & those found eligible, their price bid will be opened.

5) A - The rate should be quoted in the list of item accompanying the tender Form maintaining same serial number as per our list, failing this tenders may be rejected.

B - The rate in Indian Rupees will also have to be quoted in soft copy in a C.D. Specifically Supplied along with the tender documents. Both the hard and soft copies will be kept in the envelope C.

6) Rates to be quoted inclusive of Excise Duty, Transportation, Installation, Insurance and any incidental charge/ Tax on F.O.R. destination basis (Dean S.S. Medical College, Rewa) Should be quoted for each of the items. VAT charge extra as per Govt. rules. No any other charge will be paid separately on quoted rates. There should be no overwriting in the Rates quoted. The rate quoted in price column should be for the unit and specification given. The tenderer is strictly prohibited to change / alter specification or unit size quoted. Keep original price ( hard and soft copy ) in cover "C". Each page must have signature and rubber stamp.

7) Tenderers are required to submit security deposit as given in form of Demond Draft (D.D.) receipt of any bank recognized by RBI payables at Rewa, in the name of the Dean & CEO S.S. Medical College, Rewa Failing which the tender will be rejected. Those who are exempted from Deposited security are required to submit a certificate from the competent authority. No. interest will be paid on the security deposited.

8) **Warranty/Defect Liability Period :-**

- (A) The supplier shall warrant comprehensively that the equipments supplied under the contract is New, Unused & Incorporate all recent improvement in design & Material. All losses due to defects resulting from faulty design, Material & Workmanship during warranty periods shall be compensated by the suppliers.
- (B) This Comprehensive on- site warranty shall remain valid for 5 year from the date of supply (For Items all Items)
- (C) In case of any defect detected in items under warranty, The users shall notify procurement authority about the same. Procurement authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the suppliers within 15 days, procurement authority shall take necessary action to claim compensation at the supplier expenses.

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- 9) Tenderer must agree to abide by all the terms and conditions of the tender, Any default or breach of contract or supply of goods not conforming to the standards shall render the tender to be rejected / cancelled and forfeiture of Earnest money, the tenderer must sign with rubber stamp on every page of the tender, all page must be numbered.
- 10) The tenderers are required to submit registration of Commercial Tax and clearance certificate of last three years of Sales Tax / Vat / CST Tax & PAN NO. & copy of last three years of ITR.
- 11) The tenderer will be required to submit a Declaration that he has not quoted lower rate than that of quoted in this tender in any institution or organization in M. P. ( Annexure II )
- 12) Notarized undertaking to the effect that no dues of arrears of central or state taxes are outstanding against the manufacturing company will have to be submitted along with tender form (Annexure III )
- 13) Tenders of firm / manufactures will be rejected if the same is black listed by any competent authority or is involved in any criminal proceeding pertaining to manufacture, supply or due to any dispute pending before any court or legal forum. A undertaking of negativity of the above shall have to be provided by the tenderers ( Annexure IV )
- 14) E.N.T. EQUIPMENTS supplied must conform to the specification mentioned in enclosed Equipments list in the price list .

**Amendment of Bidding Documents – Conditional Bids Will Not Be Accepted.**

**15) (A)** All purchase will be made by competent authority as per store purchase rules of the State Govt and their order issued from time to time. Any order issued by higher authority will be followed. Recommendation of the purchase committee of the College will be followed.

**(B)** Invitation of tender does not mean any commitment to make purchases of all or any item. Listed in the tender. Material will be purchase after permission form Madhaya Pradesh Govt. and when material is not supply by Madhya Pradesh Laghu Udyog Nigam of M. P. Govt.

16) Government policy to encourage scheduled castes and Scheduled tribes entrepreneurs will be followed as per rules of the state Govt. Tenderer must attach relevant document in support of the same along with registration of the firm with District Vyapar Udyog Kendra or any such state authorized body.

17) Supplies of E.N.T. EQUIPMENTS will have to be F.O.R. College Store. No extra charges will be paid for local freight etc. In case of any breakage, theft or any loss to the goods during transit the responsibility of the loss will be of supplying firm. Financial loss if any will be recovered accordingly.

18) It is mandatory to supply with in 10 days from the date of supply order.

19) All supplies should be made by approved firms only.

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20) Any claim for hike in prices of the commodities covered in the tender will not be allowed during the tender period.

21) Payment will be made by bank draft/ banker cheque/E-Payment. Bank commission there of will be born from the amount of the bill. No. advance payment will be made. VAT will be deducted at source.

22) The Dean S.S. Medical College, Rewa reserves the right to accept or reject any or all tenders without assigning any reason thereof in public interest. The tendering authority also reserves the right to make any addition or alteration in the terms and condition of the contract.

23) For any legal recourse the judicial jurisdiction will courts in Rewa. The contract shall be Governement by the laws of India.

- 24) Equipment supplier will demonstrate the functioning of equipment before 3 member committee. this committee will also examine specifications. Only on approved by this committee equipment will be received.

**Note:** Technical bid should be opened on 24-02-2015 at 12:30 PM in presence of purchase/Technical committee and present tenderer or their authorized representative. Tenders list ( i.e. price bid ) are opened only those tenderer who are qualified in technical bid. At the time of opening of price list, information should be given to that tenderer separately.

Dean  
S.S. Medical College, Rewa (M. P.)

### **Check List**

**( List of Document enclosed with Tender from )**

S.No.	Documents	(Marked by Tenderer (√/x))	(By Purchase Committee (√/x))
1.	Detail of Earnest Money / FDR . No.....Dated..... For Rs.....		

2.	Forwarding Letter in Given format		
3.	Seal & Signature in all terms & Conditions		
4.	Registration of TIN No. & Sales Tax		
5.	Sales Tax & Vat Tax Clearance Certificate.		
6.	Photocopy of PAN Card		
7.	Copy of ITR For last three Years.		
8.	Affidavit by notary regarding Undertaking of no dues of Sales Tax & Income Tax		
9.	Authorization letter from Manufacturer for Authorized Distributor		
10.	Original Tender ( Soft & Hard Copy Cover – C )		

Note : Put up Serial Number in all documents and attach as per schedule given above and check List should be attached in front of all Documents.

**Remark of Purchase Committee**.....  
.....



**Annexure – I**

**Specimen of forwarding letter**

From,

.....  
.....

To,

The Dean  
S.S.Medical College, Rewa ( M.P)

Sir,

I am submitting tender for the financial year 2014-2015 for purchase of good quality of E.N.T. EQUIPMENTS to the S.S.Medical College, Rewa. As invited wide letter No..... Date .....2014 and published in .....news paper. I accept all the terms and condition given in tender, I have not added any terms & condition.

Signature of Tenderer

Enclosures

- |     |     |
|-----|-----|
| 1.  | 2.  |
| 3.  | 4.  |
| 5.  | 6.  |
| 7.  | 8.  |
| 9.  | 10. |
| 11. | 12. |
| 13. | 14. |
| 15. |     |

Declaration

1. I/We are citizen of India
2. I/We are competent to contract as per Indian Contract act.
3. I/We are not debarred for supply of E.N.T. EQUIPMENTS by any Institution/office of M.P. state.
4. I/We will be responsible for losses made for supply of poor quality of E.N.T. EQUIPMENTS.
3. I have not added any terms & condition other than given in this tender ,even if any Terms and condition are added than it should be treated as cancelled,
4. I/We have not quoted lower rate than that of quoted in this tender in any office Institution or ganization in the state of M.P.

Date :-            /            /2014

Signature of Tender

E-Mail Address:  
Phone No :  
Mobile No.:

Name :  
Address :

Specimen of Declaration / Undertaking  
( To be Submitted in the letter head )

**DECLARATION  
( Annexure - II )**

We.....(Name of manufacturing agency/ Authorized Dealer)  
having its registered office at.....( full address) .declare that  
we have not quoted lower rates than that of quoted in this tender in any institution in  
Madhya Pradesh.

Signature  
Rubber stamp

**UNDERTAKING ( Annexure – III )**

We.....(Name of manufacturing agency/ Authorized Dealer)  
having its registered office at.....( full address) undertake that  
we have submitted up to date return and had no dues of central and state taxes.

Signature  
Rubber stamp

**UNDERTAKING ( Annexure – IV )**

We.....(Name of manufacturing agency/ Authorized Dealer)  
having its registered office at.....( full address) undertake that  
our firm has neither been black listed by any competent authority nor any criminal  
proceeding pertaining to manufacture supply. Qquality of manufacturing items or due to any  
dispute pending before any court or legal forum .

Signature  
Rubber stamp

### **Plnformation of Manufacturing Agency**

**Registered Name**

**Address    Factory**

**Office**

**Telephone Number**

**Factory**

**Office**

**Mobile Number**

**Fax**

**Email Address**

**Bank Name, Account Number & IFSC**

**TIN**

**PAN**

**CST Number**

**MPST/VAT**

**LST Number**

**Service Tax Number**

### **Information of Authorized Dealer / Stockiest**

**Registered Name**

Address

Telephone Number

Office.

Fax .

Cell.

Email Address

Bank Account Number

Brach

IFS Code of Bank

TIN

PAN

CST Number

MPST/VAT

LST Number

Service Tax Number

**DEPARTMENT OF E.N.T., S.S.MEDICAL COLLEGE, REWA (M.P.)**  
**EQUIPMENTS LIST & SPECIFICATIONS**

s.no.	Name of equipment	Technical specification
1.	<b><u>ELECTRONYST</u></b> <b><u>AGMOGRAPHY</u></b> <b><u>(ENG)</u></b> <b><u>MACHINE</u></b>	<b><u>MODEL :-</u></b> 4 Channels <b><u>SYSTEM CAPABILITIES :-</u></b> . Input channels : 4 . Low filter : 1,2 or 4 seconds . High filter : 7.5/ 15/ 30 Hz . Coupling : DC Response . Input offset voltage . Range : $\pm 16\text{mV}$ . CMMR : $> 14 \text{ dB}$ . Noise : $< 5\text{microV}$ peak to peak max with input shorted . Notch filter : 50/60 Hz . Resolution(ADC) : 14 bit . Sampling rate : 500 Hz . Sweep speed : 5/10/20 mm/sec

		<ul style="list-style-type: none"> <li>. Range of eye position tracked : ± 30 degree horizontal and vertical</li> <li>. Linearity <ul style="list-style-type: none"> <li>. Horizontal : 1% full scale</li> <li>. Vertical : 1.2% full scale</li> <li>. Input power : 120/240 VAC , 50/60 Hz</li> </ul> </li> </ul> <p><b><u>OPTICAL STIMULUS :-</u></b></p> <ul style="list-style-type: none"> <li>. Type : Light bar</li> <li>. Patient to bar distance : 1 metre</li> <li>. Target position : Gaze targets ± 30 degrees</li> <li>. Pursuits and saccades : computer controlled</li> <li>. Target size : &lt; ½ degree</li> <li>. Optokinetic : 6 targets</li> </ul> <p><b><u>ELECTRODES :-</u></b></p> <ul style="list-style-type: none"> <li>. Type : Ag/Ag Cl Disc electrodes</li> </ul> <p><b><u>MINIMUM COMPUTER CONFIGURATION :-</u></b></p> <ul style="list-style-type: none"> <li>. CPU : PC IBM Compatible with P-IV, 512 MB , . 80 GB HDD, 1 SL, 1 parallel, 4 USB Port.</li> <li>. Monitor : 15 inch colour</li> <li>. Operating system : Windows Vista</li> <li>. Printer : Windows compatible Inkjet/Laser jet</li> </ul>
2	<p><b><u>ENT operating microscope with HD Camera, HD monitor (For major OT)</u></b></p>	<p>Operating ENT microscope with integrated , fanless high transmission, high performance led illumination in the microscopic head.</p> <p>ENT operating microscope :</p> <ol style="list-style-type: none"> <li>(1) integrated , fanless high performance white light led source, passive cooling</li> <li>(2) Illuminance &gt; 55 klux (300 mm), color temperature: 5500 k with intensity control over light sensor</li> <li>(3) Optimized stereo effect by 24 mm stereo basis</li> <li>(4) HD camera with HD monitor</li> <li>(5) Mechanical support arm for the microscope</li> </ol> <p>Objective 200 mm, 250 mm, 300 mm or 400 mm with manual fine focusing (17 (mm) choice of optics will be decided by the end user.</p> <p>Visualization HD adapter to adapt an external camera with E-mount Integrated sd card (Optional) to transfer the data of images/video from the camera to any smartphone , laptop or PC .</p> <p><b>Essential features: -</b></p>

		<p><b>Beam splitter, HD camera, with CCTV attachment, Inclined side viewing tube.</b></p> <p>Accessories to be supplied along with the unit</p> <ol style="list-style-type: none"> <li>(1) 5 step magnification changer</li> <li>(2) Straight tube</li> <li>(3) Wide field eyepiece 10 x magnification</li> <li>(4) Pivotal mechanism color filter green</li> <li>(5) Floor stand H with castors and lock system</li> <li>(6) Fine focusing manual</li> <li>(7) Scale projection measuring scale of 200 mm lens</li> </ol>
3.	<b><u>ENT Diagnostic microscope (Minor OT)</u></b>	<p>Diagnostic ENT microscope with integrated , fanless high transmission, high performance led illumination in the microscopic head.</p> <p>ENT Diagnostic microscope :</p> <ol style="list-style-type: none"> <li>(1) Integrated , fanless high performance white light LED source, passive cooling</li> <li>(2) Illumeniance &gt; 55 klux (300 mm), color temperature: 5500 k with intensity control</li> <li>(3) Automatic light control over tilt t sensor</li> <li>(4) Optimized stereo effect by 24 mm stereo basis</li> <li>(5) HD camera with HD monitor</li> <li>(6) Mechanical support arm for the microscope</li> </ol> <p>Objective 200 mm, 250 mm, 300 mm or 400 mm with manual fine focussing (17 (mm) choice of optics will be decided by the end user.</p> <p>Visualization 2 x 10 wide field eyepiece lens can be plugged in with diopter compensation and a spectacle wearer eyepiece.</p> <p>Accessories to be supplied along with the unit</p> <ol style="list-style-type: none"> <li>(A) 5 step magnification changer</li> <li>(B) Straight tube</li> <li>(C) Wide field eyepiece 10 x magnification</li> <li>(D) Pivotal mechanism color filter green</li> <li>(E) Floor stand H with castors and lock system</li> <li>(F) Fine focusing manual</li> <li>(G) Scale projection measuring scale of 200 mm lens</li> </ol>
4.	<b><u>ENT Microscope for temporal bone lab</u></b>	<p>ENT Microscope with integrated , fanless high transmission, high performance led illumination in the microscopic head.</p> <p>ENT Microscope :</p> <ol style="list-style-type: none"> <li>(1) Integrated , fanless high performance white light LED source, passive cooling</li> <li>(2) Illumeniance &gt; 55 klux (300 mm), color temperature: 5500 k with intensity control over light sensor</li> <li>(3) Automatic light control over tilt sensor</li> <li>(4) Optimized stereo effect by 24 mm stereo basis</li> <li>(5) Mechanical support arm for the microscope</li> </ol> <p>Objective 200 mm or 400 mm with manual fine focussing (17 (mm) choice of optics will be decided by the end user.</p> <p>Accessories to be supplied along with the unit</p> <ol style="list-style-type: none"> <li>(A) 3 step magnification changer</li> <li>(B) Straight tube</li> </ol>

		<p>(C) Wide field eyepiece 10 x magnification</p> <p>(D) The system should be on castors by with support to mount on the table to adjust height as and when required . A doctors chair is also required to be supplied</p> <p>(E) Should provide a good table (waterproof ) 6 x 4 with provision to keep the tray for the specimen and suction system.</p> <p>(F) Temporal bone holder for specimen with mastoid set and drill set.</p>			
5.	<b>ACCESSORIES OF NASAL ENDOSCOPE/FESS INSTRUMENTS :</b>	<b>S. No</b>	<b>Item</b>	<b>Specification</b>	<b>Qty</b>
		1.	Cold light source	250W 24V twin bulb,	1
		2.	Fiberoptic light cable	Length 300cm, Dia4.8mm,	2
		3.	Trocar& cannula for sinoscopy	L8.5cm,dia 5mm	1
		4.	Biopsy & grasping forceps	L-14cm, oval cupper jaws 5mm.sheet dia 1.5mm	2
		5.	Telescope handle	Stammberger telescope handle flat	1
		6.	Hartman's nasal speculum	L-13cm,	1
		7.	Septum needle	Angular, leur lock	1
		8.	Cottles elevator	L-20cm, double ended semi sharp & blunt	1
		9.	Sickle knife	L-19cm, pointed	1
		10.	Antrum curette	L-19cm, small size oblong	1
		11.	Kuhn Bolger frontal sinus curette	Small oblong, forward cutting length 19cm, 55°curved	1
		12.	Kuhn Bolger frontal sinus curette	Small oblong, forward cutting length 19cm, 90°curved	1
		13.	Antrum cannula	L-15cm, outer dia-2.5mm, malleable, leur lock, long curved with grip plate, serrated	1
		14.	Antrum cannula	L-15cm, outer dia-3 mm, malleable, leur lock, long curved with grip plate, serrated	1
		15.	Probe	Double ended, maxillary sinus ostium seeker, L-19cm, ball size dia 1.2 & 2mm	1
		16.	Nasal forceps	Straight L-13cm.size-1	2
		17.	Nasal forceps	Upturned, 45° size-1	2
		18.	Nasal forceps	Upturned, 45° size-1	2
		19.	Suction punch	For biopsy and grasping with stylet46001E for cleaning, W.L. 10cm, size 1 straight	1
		20.	Suction punch	For biopsy and grasping with stylet46001E for cleaning, W.L. 10cm, size 1 upturned	2
		21.	Nasal cutting forceps	Length 13cm	2
		22.	Nasal scissors	L-13cm, straight	1

		23.	Antrum punch	L-10cm. Rt side backward cutting	<b>1</b>
		24.	Antrum punch	L-10cm. Lt side backward cutting	<b>1</b>
		25.	Antrum punch	L-10cm. Rt side downward & forward cutting	<b>1</b>
		26.	Antrum punch	L-10cm. Lt side downward & forward cutting	<b>1</b>
		27.	Biopsy & grasping forceps vertical opening	Malleable W.L. –12cm, 4mm cupped jaws	<b>2</b>
		28.	Forceps	Cupped jaws vertical opening, 65°upturned, L-18cm jaws dia 3mm	<b>2</b>
		29.	Forceps	Horizontal opening	<b>1</b>
		30.	Punch	Circular cutting L-18cm, Dia 3.5 mm	<b>1</b>
		31.	Punch	Circular cutting L-18cm, Dia 4.5 mm	<b>1</b>
		32.	Nasal forceps	45°upturned L-13cm, size-1	<b>2</b>
		33	Reusable Suction shaver blade	Serrated cutting edge dia 4mm L-12cm	<b>1</b>
		34	Reusable Suction shaver blade	Concave cutting edge oval cutting opening dia 4mm. L-12 cm	<b>1</b>
		35	Reusable Suction shaver blade	Smooth cutting edge rectangular cutting opening dia 4mm, L-12cm	<b>1</b>
		36	Reusable Suction shaver blade	Full radius smooth cutting edge dia 4mm, L-12cm	<b>1</b>
		37	HD color Monitor	17 inch high resolution , 6 mega pixel	<b>1</b>
6.	<b><u>HIGH SPEED DRILL SYSTEM FOR ENT SURGERY</u></b>	<p>(1) Electrically controlled high speed drill system</p> <p>(2) Speed selection upto 80,000 rpm</p> <p>(3) Built in irrigation system with choice of irrigation speed upto 75 ml/min</p> <p>(4) Forward/ reverse speed control , program control &amp; coolant control on the foot switch.</p> <p>(5) Single motor system and variety of hanpiecec</p> <p>(6) Micromotor should be compatible with microsaw, oscillating saw, sagittal saw</p> <p>(7) The system must comprise of</p> <p>(a) Short straight hand piece - 1 no.</p> <p>(b) High speed short angle handpiece - 1 no.</p> <p>(c) Stainless steel burr (.6,.8,1,1.4,1.8,2.3,2.7,3.1,3.5,4,4.5) -1 each size</p> <p>(d) Diamond burr (.8,1,1.4,1.8,2.3,2.7,3.1,3.5) -1 each size</p> <p>(e) Lubricating oil -6 bottle</p> <p>(f) Irrigation tube -20 pcs</p>			
7.	<b><u>MICRO EAR</u></b>	<p><b>TECHNICAL SPECIFICATIONS:</b> The set should contain -</p> <p>1. Sickle knife</p>			



	<p><b><u>SURGERY INSTRUMENTS</u></b></p>	<ol style="list-style-type: none"> <li>2. Ring Curette</li> <li>3. House Curette</li> <li>4. Hook</li> <li>5. Flap Knife</li> <li>6. Straight Needle ( Perforator )</li> <li>7. Malleus Nipper</li> <li>8. Knife for meatal skin incision</li> <li>9. Bayonet Shaped Elevators for meatal wall</li> <li>10. Curette for tympanic ring</li> <li>11. Fine probe for testing the movement of Foot plate of Stapes</li> <li>12. Mobilisers for severing adhesions involving stapes</li> <li>13. Oval Scoop</li> <li>14. Oval window fenestrator</li> <li>15. Fine suction with stilette</li> <li>16. Hartman aural dressing forceps</li> <li>17. Micro-scissors</li> <li>18. Graft holding forceps or crocodile forceps</li> <li>19. Straight cup forceps- 2 mm</li> <li>20. Upturn cup forceps- 2 mm</li> <li>21. Down turn cup forceps- 2 mm</li> <li>22. Right side cup forceps- 2 mm</li> <li>23. Left side cup forceps- 2 mm</li> <li>24. Canal Mastoid retractor</li> <li>25. Tympanoplasty knife</li> <li>26. Micro elevator</li> <li>27. Right angle pick</li> <li>28. 45 degrees pick</li> <li>29. Small curved pick</li> <li>30. Horizontal knife</li> <li>31. Rosen's Myringotomy knife</li> <li>32. Incus Holding Forceps</li> <li>33. <u>Thumb Rest Elevator</u></li> <li>34. Alligator forceps- 2 mm</li> </ol>												
8.	<p><b><u>FLEXIBLE FIBROPTIC BRONCHOSCOPE</u></b></p>	<p><b>a) <u>FIBROPTIC BRONCHOSCOPE</u></b></p> <table border="1" data-bbox="506 1373 1396 1717"> <tr> <td>Working Length</td> <td>600 mm</td> </tr> <tr> <td>Tip deflection up and down</td> <td>180° Up &amp; 130° Down</td> </tr> <tr> <td>Field of View</td> <td>120°</td> </tr> <tr> <td>Distal end</td> <td>5.9 mm</td> </tr> <tr> <td>Insertion tube diameter</td> <td>6 mm</td> </tr> <tr> <td>Diameter of instrument channel</td> <td>2.8mm</td> </tr> </table> <p><b>b) <u>HALOGEN LIGHT SOURCE</u></b></p> <p>Illumination : Lamp - 150 w halogen Lamp life - 50 hours</p>	Working Length	600 mm	Tip deflection up and down	180° Up & 130° Down	Field of View	120°	Distal end	5.9 mm	Insertion tube diameter	6 mm	Diameter of instrument channel	2.8mm
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		<p>continuous use</p> <p>Power requirement : Voltage : 120/230/240 VAC Frequency : 50/60 Hz Power consumption : 200 VA</p> <p>Air feeding : Pump type : Vibrator pump type Pump Pressure : 41-62 kPa</p> <p>Classification (Electro Medical Equipment)</p> <p>Type of Protection</p> <p>Against electric shock : Class-1 (3 core cord) Degree of pretection : Type BF, Incorporates insulated</p> <p>Against electric shock : Patient attachment Degree of pretection : Flammable gases Auxiliary Socket : Interchangeable Dimensions : 135 (W)X 165(H) X 270(D) mm/5.3(W) X 6.5(H) X 10.6(D) in Weight : 6 kg / 13.2 lb</p> <p><b>c) ACCESSORIES REQUIRED</b></p> <p>1 Biopsy forcep, double action jaws flexible, 1 mm, length 110 cm 1 Grasping forcep, double action jaws flexible 1 mm, length 110 cm 1 Pressure compensation cap for ventilation during gas sterilization 1 Leakage tester with bulb and manometer Cleaning brush for 52 mm instrument channel one mouth piece Optical biopsy forcep for use with telescopes Rigid suction table with rubber tip working length 50 cm straight and curved Sponge notice spring holder working length 50 cm Radioopaque plastic tubing for aspiration , 7 fr , 5 m coil with adopter.</p>																			
9.	<b><u>FLEXIBLE FIBROPTIC OESOPHAGOC OPE WITH STANDARD SET OF ACCESSORIES</u></b>	<table border="1"> <tr> <td rowspan="2"><b>Optical System</b></td> <td>Field Of View</td> <td>140°</td> </tr> <tr> <td>Direction Of View</td> <td>Forward</td> </tr> <tr> <td><b>Insertion Tube</b></td> <td>IT Diameter</td> <td>5.1mm</td> </tr> <tr> <td rowspan="2"><b>Angulation</b></td> <td>Up</td> <td>210°</td> </tr> <tr> <td>Down</td> <td>120°</td> </tr> <tr> <td><b>Length</b></td> <td>Working Length</td> <td>60cm</td> </tr> <tr> <td><b>Biopsy Channel</b></td> <td>Channel Size</td> <td>2.0mm</td> </tr> </table> <p><b>With standard accessories</b></p>	<b>Optical System</b>	Field Of View	140°	Direction Of View	Forward	<b>Insertion Tube</b>	IT Diameter	5.1mm	<b>Angulation</b>	Up	210°	Down	120°	<b>Length</b>	Working Length	60cm	<b>Biopsy Channel</b>	Channel Size	2.0mm
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10	<b><u>ENT CRYOSURGICAL SYSTEM</u></b>	<p>Cryosurgical unit for interventional ENT procedures</p> <ol style="list-style-type: none"> <li>Coolant N<sub>2</sub>O or CO<sub>2</sub></li> <li>Operating pressure 40-60 bar</li> <li>Gas consumption 35-50 g/min</li> <li>Mounted on mobile portable cart</li> <li>Should have different kind of cryo probes for future upgrade : minimum 5 types of ENT probe should be available and also flexible</li> </ol>																			

		<p>cryoprobe for flexible applications</p> <p>f) The unit should have electronic LED indication for freezing and thawing cycles</p> <p>g) The unit should have analog meter to indicate the pressure of gas in the cylinder</p> <p>h) Explosion proof foot switch</p> <p>i) Supplied with all the required connections such as gas hose , cylinder connectors</p> <p>j) All necessary cables and connectors</p> <p>k) Power : 220-240 V, 50 Hz</p> <p>l) Cryoprobes for supply</p> <ul style="list-style-type: none"> <li>. Cryo ENT probe , rigid,angled,tip 3X5 mm, round tip - 1 no.</li> <li>. Cryo ENT probe, rigid, angled, tip 2x2 mm, round tip - 1 no.</li> </ul>																				
11	<b>NERVE STIMULATOR/ MONITOR</b>	<p>Current output: 0.0 to 10.0 milliamperes (mA) measured across a 1K ±1% resistive load. Tolerance at 0.0 indicated, with a residual current of 0.05 mA, is ±0.005 mA. Tolerance at 10.0 mA is ±0.4 mA.</p> <ul style="list-style-type: none"> <li>• Pulse width: 0.0006 seconds ± 20 microseconds.</li> <li>• Pulse off time: 0.1660 seconds.1</li> <li>• Pulse frequency: 0.1666 seconds ± 5 milliseconds.</li> <li>• Dial accuracy: Linear down to 0.15 mA, residual current of 0.05 mA at 0.0 indicated.</li> <li>• Batteries: Four 1.5-volt alkaline C cells.</li> <li>• Battery life: 200 hours continuous use between replacement.</li> <li>• Size: 8.5 x 9 x 3 inches (21.6 x 22.8 x 7.6 cm).</li> <li>• Weight: 4 pounds (1.82 kg).</li> </ul> <p><b>SYSTEM COMPONENTS</b></p> <table border="1"> <thead> <tr> <th>Item</th> <th>Single Use or Reuse</th> <th>Sterile</th> <th>Repairabl</th> </tr> </thead> <tbody> <tr> <td>1. Nerve Stimulator</td> <td>Reuse</td> <td>None<sup>2</sup></td> <td>Yes</td> </tr> <tr> <td>2. Bipolar Clinical Probe</td> <td>Reuse</td> <td>None<sup>2</sup></td> <td>No</td> </tr> <tr> <td>3. Electrode Cream, 5 oz.</td> <td>Single</td> <td>N/A</td> <td>No</td> </tr> <tr> <td>4. Carrying Case</td> <td>Reuse</td> <td></td> <td>N/A</td> </tr> </tbody> </table>	Item	Single Use or Reuse	Sterile	Repairabl	1. Nerve Stimulator	Reuse	None <sup>2</sup>	Yes	2. Bipolar Clinical Probe	Reuse	None <sup>2</sup>	No	3. Electrode Cream, 5 oz.	Single	N/A	No	4. Carrying Case	Reuse		N/A
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12	<b>HIGH DEFINITION DIGITAL CAMERA WITH RECORDING</b>	<p>-Zoom lever shooting</p> <p>-Audio video output/ Digital terminal</p> <p>-Microphone and speaker</p> <p>-HDMI terminal</p> <p>-Still images with videos</p> <p>-Recording system</p>																				

	<b>SYSTEM</b>	
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