

# स्वामी रामानंद तीर्थ ग्रामीण शासकीय वैद्यकीय महाविद्यालय व रुग्णालय अंबाजोगाई

(अधिष्ठाता कार्यालय)

SWAMI RAMANAND TEERTH RURAL GOVERNMENT MEDICAL COLLEGE & HOSPITAL, AMBAJOGAI  
PH NO (02446) 245792/2449362/248438/- D. FAX- 02446/247132 Website www.srtrmca.org email-srt.acad@rediffmail.com  
SRTRGMCHA/STORE/21-22/PLAN/ 677/2022 DATE - 85/02/2022

**Sub: - Quotation for Purchase of Instrument & Equipment.....**

We are inviting the quotations as per G.R. for the following machinery and equipment's required at different department of this hospital. Quotation should be in the prescribed form and as per Terms and condition as follows.

Please quote your competitive rates in Indian Rupees only for the following items. Rates should be within the market rate Limits.

## **TERMS & CONDITIONS**

1. Shop act license valid till 31/03/2022 or more.
2. GST Registration Certificate valid till 31/03/2022 or more.
3. Pan Card of supplier
4. Aadhar card of supplier
5. Tax return certificate of minimum 3 years.
6. Experience certificate or documentary proof proving participant supplier is a government supplier since minimum 3 years
7. Terms and conditions acceptance certificate.
8. Product warranty for minimum 2 year on the stamp paper of 100/- rupees.
9. Affidavit stating and confirming that participant supplier is not black listed by government as supplier.
10. Authorization Letter: - A dealer quoting on behalf of manufacturer must attach authorization letter from the manufacturer to self the equipment & to do after sales services as per.
11. ISO OR ISI Certificates: - In case of equipment with ISO or ISI mark, as per Quotation requirement relevant certificates from ISO or ISI should be attached.
12. Product Catalogue: - Original Catalogues / brochures should be enclosed giving technical details of the offered equipment. All specification should be substantiated by data sheets in original.
13. The delivery of goods should invariably be made with 6 weeks for indigenous terms and 12 weeks for imported items, from the date of confirm order. If the date of delivery cannot be strictly adhered to, then extension required by the quotation 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.
14. Penalty on late delivery :- In the event of the late delivery of goods, the purchaser will recover for contractor by way penalty sum equal to half percent of price of the good (subject to maximum 5%) delivered late per week calculated from the next day after the agreed delivery period is over.
15. Replacement of parts and service thereof due to manufacturing defects during warranty period will be entirely at the suppliers cost. The expenditure incurred for procurement of space transport, installation, commissioning and various duties thereof shall be borne by the supplier.

16. Annual Maintenance Contract/ Comprehensive Maintenance Contract: - The supplier will have to agree to enter into a annual maintenance contract (AMC) @ 1% of the order value of the equipment Where required quotation will have to agree for comprehensive maintenance (CMC) inclusive of all spares @ 5% of the order value of the equipment. The period of such AMC/CMC will be of 8 years after completion of warranty period, in case of non-communication of AMC/CMC the supplier will be liable to pay a Penalty. Such penalty shall be recovered from the amount of bank guarantee. 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.
17. Payment: - Install payment of 90% of the contract value will be made on delivery and installation. Remaining 10% of contract value will be paid only on satisfactory commissioning of the machinery within 30 days or 1 month.
18. The successful quotation must ensure 100% uptime during warranty period in case of down time; warranty period will be extended for period of down time. The quotation will have to give Bank Guarantee (of Nationalized Bank) of 5% of ordered value valid for 10 years towards performance guarantee for warranty. If the equipment is not attended within 24 hours for Ambajogai and 48 hours for other places the supplier will be available to pay a penalty of 0.05% of purchase cost forever 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?
19. Machinery Specification enclosed here with. The instrument supplied should be as per specifications.
20. Please superscript the envelope with "QUOTATION FOR PURCHASE OF -----"due date.  
Sealed quotation should reach this office on or before date: - 12/02/2022. Before 5.30 pm.
21. The quotation will be open on 14/02/2022.

**IMPORTANT NOTE:**

1. ALL THIS PROCEDURE IS SUBJECTED TO THE FUTURE ADMINISTRATIVE APPROVAL BY DIRECTORATE OR GOVERNMENT OF MAHARASHTRA. IN THE CASE OF CHANGES OR CANCELLATION OF THIS PURCHASE PROCEDURE BY HIGHER OFFICE OR THIS OFFICE, THE SUPPLIER OR BIDDER OR PARTICIPANT OF THIS PROCEDURE WILL NOT HAVE ANY RIGHTS OR WILL NOT ABLE TO CLAIM OR WILL NOT ABLE TO RAISE ANY QUERY ABOUT THE PROCEDURE CONTINUATION OR CANCELLATION.
2. THE DECISION OF THE DEAN, SWAMI RAMANAND TEERTH RURAL GOVERNMENT MEDICAL COLLEGE & HOSPITAL AMBAJOGAI DIST BEED RESERVES THE RIGHTS TO REJECT THIS PURCHASE PROCEDURE WITHOUT ASSIGNING ANY REASON.

Dean,

Swami Ramanand Teerth Rural Govt,  
Medical College & Hospital, Ambajogai,

To,

- 1) -----
- 2) -----
- 3) -----

4) Notice Board & Website Development Committee, S.R.T.R.G. Medical College, Ambajogai.

# स्वामी रामानंद तीर्थ ग्रामीण शासकीय वैद्यकीय महाविद्यालय व रुग्णालय, अंबाजोगाई

(अधिष्ठाता कार्यालय)

SWAMI RAMANAND TEERTH RURAL GOVERNMENT MEDICAL COLLEGE & HOSPITAL, AMBAJOGAI  
PH NO (02446) 245792/2449362/248438/- D. FAX- 02446/247132 Website www.srtmca.org email-srt.acad@rediffmail.com

## Name of Instrument & equipment

Sr.No.	Equipment Name	Required Quantity	Department NAME	Specification
1	Drill (Low end )	03	कान नाक व घसा विभाग	सर्व साहित्याचे Specification अ.क्र. नुसार सोबत जोडण्यात येत आहे
2	Electro Surgical Surgical Unit ( Low End )	01		
3	Ear Instrument Set (Medium Set)	01		
4	Tracheostomy Set (Medium Set)	05		
5	Head Light (ENT) ( High End)	02		
6	Peripheral Nerve Stimulator ( High End )	01	बधिरीकरणशास्त्र विभाग	
7	Syringe pump	01	शल्यचिकित्साशास्त्र विभाग	
8	O.T.Table (Medium End )	02		
9	Grossing Station	1	शरीरविकृतीशास्त्र विभाग	शल्यचिकित्साशास्त्र विभाग
10	Drill Machine	02	शरीररचनाशास्त्र विभाग	
11	Embalming Machine	02		
12	Meat cutting machine thin body section	01		
13	Microtome sledge large cutting machine	01		
14	Projector	01	औषधशास्त्र विभाग	
15	Maniquin(Clinical Pharmacy) for demonstration of routes of drug administration.	5		
16	Computer ( Medium End )	12		
17	Laptop ( High End)	01	नेत्रचिकित्साशास्त्र विभाग	
18	Trial set with trial frame for adult and children	05		
19	Slit Lamp	01		
20	A scan with pachymeter	1		
21	Direct Ophthalmoscope	02		
22	Eviscerati on set	03		
23	Enucleation set	03		
24	Indirect ophthalmoscope	01		
25	Kertometer	01		
26	Schiotz Tonometer	05		
27	Centrifuge clinical (high End)	02	जनऔषधवैद्यकशास्त्र विभाग	
28	Chloroscope (High End)	05		
29	Craft Water Testing Kit (High End)	02		
30	First Aid Kit (High End)	04		
31	Horrocks Water Testing Kit (High	02		

	End)			
32	Haemoglobinometer (High End)	05		
33	Mosquito catching kit (High End)	02		
34	MUAC Tape (High End)	05		
35	Ophthalmoscope (High End)	02		
36	Otoscope (High End)	02		
37	Public Address System (Portable) (High End)	01		
38	SOUND LEVEL METER (High End)	02		
39	Television 43inch Smart Tv make (Low End)	01		

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Dean  
Swami Ramanand Teerth Govt.  
Medical College & Hospital, Ambajogai

Sr. No. 1

**DRILL (LOW END)**

<b>Clinical purpose</b>	<ul style="list-style-type: none"> <li>• Mastoidectomy, Temporal bone dissection</li> <li>• Nasal Surgeries</li> </ul>
<b>Used by clinical department/ward</b>	ENT Department
<b>SPECIFICATIONS</b>	<p><b>COST- APPROX. 25,000-35,000</b></p> <p><b><u>GENERAL SPECIFICATIONS</u></b></p> <ul style="list-style-type: none"> <li>• OUTPUT VOLTAGE- DC 0-32 V</li> <li>• INPUT VOLTAGE- 230 V</li> <li>• INCLUDES ONE CONTROL BOX</li> <li>• ONE 40K RPM MICROMOTOR</li> <li>• ONE ON/OFF SWITCH FOOT PADDLE</li> <li>• ONE HANDPIECE</li> <li>• AUTOCLAVABLE</li> </ul> <p><b><u>FOOTSWITCH – 1 UNIT</u></b></p> <ul style="list-style-type: none"> <li>➤ A FOOTSWITCH COMPATIBLE WITH THE CONTROL UNIT.SHOULD BE ABLE TO CONTROL THE HANDPIECE FOR CUTTING.</li> <li>➤ IT SHOULD HAVE: <ul style="list-style-type: none"> <li>A. SHOULD HAVE FULLY PROGRAMMABLE FOOTSWITCH AS USER NEED</li> <li>B. USER SHOULD BE ABLE TO CONTROL FOLLOWING FUNCTIONS VIA FOOTSWITCH · FORWARD REVERSE OSCILLATION SWITCH OVER TO HIGH/ LOW SPEED INCREASE OR DECREASE SPEED.</li> <li>➤ SHOULD BE CE AND FDA (USA) APPROVED.</li> </ul> </li> </ul> <p><b><u>HIGH SPEED MICRO-DRILL MOTOR - 1 QTY</u></b></p> <ul style="list-style-type: none"> <li>➤ THE DRILL SHOULD HAVE AN ELECTRIC MOTOR DRIVEN THROUGH A CONSOLE</li> <li>➤ MAXIMUM MOTOR SPEED SHOULD BE NOT MORE THAN 40,000 RPM</li> <li>➤ THE MOTOR SHOULD BE SLEEK WITH DIAMETER NOT MORE THAN 20 MM</li> <li>➤ LENGTH OF THE MOTOR SHOULD NOT BE LESS THAN 110 MM</li> <li>➤ THE WEIGHT OF THE MOTOR (INCLUDING HOSE) SHOULD BE LESS THAN OR EQUAL TO 300 GRAMS</li> <li>➤ IT SHOULD REDUCE THERMAL NECROSIS BY PROVIDING INTEGRATED IRRIGATION</li> <li>➤ MOTOR SHOULD BE ABLE TO RUN ON A FIXED OR A VARIABLE MODE THROUGH THE CONSOLE SHOULD BE CE AND FDA (USA) APPROVED.</li> </ul> <p><b><u>ESSENTIALS CONSUMABLES</u></b></p> <ol style="list-style-type: none"> <li>1. CUTTINGS BURS OF SIZE 7.5 CMS (1MM- 6MM DIAMETER) (15 QTY).</li> <li>2. DIAMOND BURS OF SIZE 7.5 CMS (1MM – 6MM DIAMETER) (15 QTY).</li> </ol>

SS.No.2

**ELECTRO SURGICAL UNIT (Low End)**

**Approx.Cost Rs.3,00,000/-**

**TECHNICAL SPECIFICATION**

- It should be a Microprocessor control based Generator
- 400 Watts (390 kHz)
- Minimum 12 modes of cutting and 4 modes of coagulation
- Should have 4 modes of bipolar including Bipolar, Micro, Macro and Bipolar cut.
- Should have 4 modes of Ecut
- Possible to do Monopolar and Bipolar Turp Cases (underwater cutting)
- Three independent display to show cut, coagulation and bipolar power levels
- Automatic recognition of patient plate (single / split)
- Patient plate contact level monitoring
- Monopolar and Bipolar REMOTE function to adjust power levels using control accessories
- EZCut system automatically assists initial cut power levels.
- High cut function to provide a high efficiency cut with enhanced performance in low and high impedance tissues
- Compatible with Argon Plasma Coagulator
- Weight less than 6kgs
- Self-testing during the time of switching on

**EAR INSTRUMENTS SET(MEDIUM END)**

Clinical purpose	<ul style="list-style-type: none"><li>• OPD Procedures</li><li>• Ear surgeries-<ol style="list-style-type: none"><li>1. Tympanoplasty</li><li>2. Mastoidectomy</li><li>3. Stapedectomy</li></ol></li></ul>													
Used by clinical department/ward	ENT Department													
SPECIFICATIONS	<p><b>– COST – APPROX. INR. 1-1.5 LAKHS</b></p> <p><b>SPECIFICATIONS:</b></p> <ul style="list-style-type: none"><li>• Instruments should be made of high-grade stainless steel. The quality of steel should comply with the DIN, US-FDA, or European CE, issued by TUV</li><li>• Instruments should be of high quality and precision.</li><li>• Instruments should be light weight, strong and durable</li><li>• Instruments should be non-magnetic</li><li>• Instruments should be autoclavable at 134 deg C and follow international US-FDA and EN ISO norms for sterilization</li></ul> <p><b>INSTRUMENTS-</b></p> <table><tr><td>1. Fcps., Artery. Mixer. Rt.Ald. Fine.15cm/6".</td></tr><tr><td>2. Fcps., Crocodile. Serr. .8mm/4mm. Jaws.Str. 8cm.</td></tr><tr><td>3. Freer Elevator. D/E. 4mm. Sh/Bl. 19cm/7.5".</td></tr><tr><td>4. Metzenbaum Scissors, Cvd. 15cm/6".</td></tr><tr><td>5. Elevator, Farabeuf. 8mm. Cvd. 15cm/6".</td></tr><tr><td>6. Cannula, Verhoeven. 2.6mm/12G. Luer. 7.5cm.</td></tr><tr><td>7. Cannula, Verhoeven. 2mm/14G. Luer. 7.5cm.</td></tr><tr><td>8. Cannula, Verhoeven. 1.6mm/16G. Luer. 7.5cm.</td></tr><tr><td>9. Cannula, Verhoeven. 1.2mm/18G. Luer. 7.5cm.</td></tr><tr><td>10.Cannula, Verhoeven. 1.0mm/19G Luer. 7.5cm.</td></tr><tr><td>11.Cannula, Verhoeven. .8mm/21G. Luer. 7.5cm.</td></tr><tr><td>12.Cannula, Verhoeven. .7mm/22G. Luer. 7.5cm.</td></tr><tr><td>13.Cannula, Verhoeven. .5mm/24G. Luer. 7.5cm.</td></tr></table>	1. Fcps., Artery. Mixer. Rt.Ald. Fine.15cm/6".	2. Fcps., Crocodile. Serr. .8mm/4mm. Jaws.Str. 8cm.	3. Freer Elevator. D/E. 4mm. Sh/Bl. 19cm/7.5".	4. Metzenbaum Scissors, Cvd. 15cm/6".	5. Elevator, Farabeuf. 8mm. Cvd. 15cm/6".	6. Cannula, Verhoeven. 2.6mm/12G. Luer. 7.5cm.	7. Cannula, Verhoeven. 2mm/14G. Luer. 7.5cm.	8. Cannula, Verhoeven. 1.6mm/16G. Luer. 7.5cm.	9. Cannula, Verhoeven. 1.2mm/18G. Luer. 7.5cm.	10.Cannula, Verhoeven. 1.0mm/19G Luer. 7.5cm.	11.Cannula, Verhoeven. .8mm/21G. Luer. 7.5cm.	12.Cannula, Verhoeven. .7mm/22G. Luer. 7.5cm.	13.Cannula, Verhoeven. .5mm/24G. Luer. 7.5cm.
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13.Cannula, Verhoeven. .5mm/24G. Luer. 7.5cm.														

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	14.Fcps., Crocodile. Serr. .6mm/3.5mm. JawsStr. 8cm.
	15.Fcps., Crocodile Cup. 1mm/.9mm. Oval Jaw Str. 8cm.
	16.Fcps., Crocodile Cup. 1mm/.9mm. Oval Jaw Cvd.Rt. 8cm.
	17.Fcps., Crocodile Cup. 1mm/.9mm. Oval Jaw Cvd.Lt. 8cm.
	18.Scissors, Micro Ear. Str. 4mm. Blades. 8cm.
	19.Fcps., Wire Closing. Crocodile. .8x6mm Jaw. McGee. 8cm.
	20.Malleus Nipper, House-Dieter. Upward. 8cm.
	21.Fcps., Piston Holding. 6mm. Jaw. 8cm.
	22.Pick. Str., 16.5cm.
	23.Pick, Short-Cvd. 16.5cm.
	24.Pick, 1mm. 45°. 16cm.
	25.Pick, 0.5mm. 45°. 16cm.
	26.Pick, 0.5mm. 90°. 16cm.
	27.Pick, 1mm. 90°. 16cm.
	28.Round Knife.2.5mm. 45°. 16cm.
	29.Sickle Knife. 6mm.Cvd.16cm.
	30.Plester Flap Knife. Oval. Vertical. 2.5mmWx3.5mmL. 16cm.
	31.Round Knife with holes. 4mm. 16cm.
	32.Elevator, Austin-Duckbill. 16cm.
	33.Ball Probe, Goldman. 0.8mm. 45°. 16cm.
	34.Piston Depth Gauge. Fisch. 16.5cm.
	35.Curette, House. Ald. 2mm/2.5mm. Length15cm.
	36.Curette, House. Ald. 1.5mm/2mm. Length15cm.
	37.Fcps., Vein Graft Press. King. ø20mm Jaw 15cm.
	38.Adaptor, Fisch with cut-off. Luer. 8cm
	39.Shea/Farrior Ear Speculum. Set of 4. Oblique ends. 4mm/5mm/6mm/7mm. Black. 41mm.
	40.TumarkinTransmeatal Specula. Set of 4. 4mm/5mm/6mm/7mm. 45mm.
	41.Suction Cannula. Frazier/Lempert. Set of 4. 1mm-4mm. Length 19cm/7.5".
	42.Retraction, Plester. 2x2/18mm approximating Prongs. Cvd. 11cm/4.25".

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	43. Retractor, Plester. 2 Prong X Right-Solid blade. 11cm/4.5".	
	44. Retractor, Plester. 2 Prong X Left-Solid blades. 11cm/4.5".	
	45. Retractor, Weitlaner. 2x3 Prong-Sp/Bl. Cvd. 13cm/5.25".	
	46. Retractor, Weitlaner-Wullstein. 3x3 Prong-Shp. Cvd. 13cm/5.25".	
	47. Retractor, Mollison. 4x4 Prong-Sp. Cvd. 16cm/6.25".	
	48. Teflon Piston Cutting Jig.	
	49. Teflon Piston Autoclaving Box.	
	50. Sterilisation Box, for Autoclaving; Std. Stainless Steel. Size 35cmX12X7.5cm/14"x5"x3".	
	51. Kallender/Fisch Perforator. 0.3mm.	
	52. Kallender/Fisch Perforator. 0.4mm.	
	53. Kallender/Fisch Perforator. 0.5mm.	
	54. Kallender/Fisch Perforator. 0.8mm.	

Sr. NO. 4

**TRACHEOSTOMY SET (MEDIUM END)**

Clinical purpose	Tracheostomy surgery							
Used by clinical department/ward	ENT Department							
SPECIFICATIONS Kalelkar	<p><b>COST- APPROX. INR 5000-10,000</b></p> <p><b>SPECIFICATIONS:</b></p> <ol style="list-style-type: none"><li>1. Instruments should be made of high-grade stainless steel. The quality of steel should comply with the DIN, US-FDA, or European CE, issued by TUV</li><li>2. Instruments should be of high quality and precision.</li><li>3. Instruments should be light weight, strong and durable</li><li>4. Instruments should be non-magnetic</li><li>5. Instruments should be autoclavable at 134 deg C and follow international US-FDA and EN ISO norms for sterilization</li></ol> <p><b>INSTRUMENTS-</b></p> <table><tr><td>1. Needle Holder. Mayo-Hegar. 15cm/6"</td></tr><tr><td>2. Scalpel/B.P. Handle. 14cm. No.3</td></tr><tr><td>3. Retractor, Langenbeck. 6mmWx20mmD. 21cm/8.25".</td></tr><tr><td>4. Fcps., Artery. Sp-Wells. Cvd. 15cm/6".</td></tr><tr><td>5. Fcps., Artery. Sp-Wells. Str. 15cm/6".</td></tr><tr><td>6. Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy.</td></tr><tr><td>7. Fcps., Tracheal Dilating. Two Prongs. Trousseau/Laborde. 15cm/6".</td></tr></table>	1. Needle Holder. Mayo-Hegar. 15cm/6"	2. Scalpel/B.P. Handle. 14cm. No.3	3. Retractor, Langenbeck. 6mmWx20mmD. 21cm/8.25".	4. Fcps., Artery. Sp-Wells. Cvd. 15cm/6".	5. Fcps., Artery. Sp-Wells. Str. 15cm/6".	6. Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy.	7. Fcps., Tracheal Dilating. Two Prongs. Trousseau/Laborde. 15cm/6".
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5. Fcps., Artery. Sp-Wells. Str. 15cm/6".								
6. Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy.								
7. Fcps., Tracheal Dilating. Two Prongs. Trousseau/Laborde. 15cm/6".								

Sr. No. 5

## HEADLIGHT (ENT) (HIGH END)

Clinical purpose	<ul style="list-style-type: none"> <li>Nasal Surgeries</li> <li>Oral surgeries</li> <li>Tracheostomy</li> </ul>																												
Used by clinical department/ward	ENT Department																												
SPECIFICATIONS	<p><b><u>COST</u>– APPROX. INR 3-3.5 LAKHS</b></p> <ol style="list-style-type: none"> <li>Should be a cold headlight system suitable for ENT Operating Theatre with provision to adjust light intensity.</li> <li>Should have head light adjustment side to side and up and down and Multiple position swivel head – 180° rotation, made of chemical resistant resin and includes adjustable comfortable elasticated light weight head strap with lock.</li> <li>Should be a coaxial fiber optic light headlight with a variable light spot.</li> <li>Should have focusing sleeves for uniform quality illumination.</li> <li>Should use a halogen light source with spare lamp and should have provision to change over in the event failure of the primary bulb.</li> </ol> <table border="1"> <tr> <td><b>Product</b></td><td><b>(KLS Martin) Med LED Chrome HEAD LIGHT SYSTEM-MC7 Pr</b></td></tr> <tr> <td>Power/Wattage</td><td>10W LED Producing bright, White light</td></tr> <tr> <td>Intensity/Lux</td><td>275,000 lux</td></tr> <tr> <td>Colour temperature</td><td>5000-6500k</td></tr> <tr> <td>Typical LED life</td><td>&gt; 100,000 hours</td></tr> <tr> <td>Variable Module Spot</td><td>100mm-200mm @ 46cm</td></tr> <tr> <td>Variable intensity control</td><td>0 -275,000 lux @ 46 cm</td></tr> <tr> <td>Headband with LED module weight</td><td>350 grams</td></tr> <tr> <td>Battery life</td><td>4 hours in Full intensity</td></tr> <tr> <td>Battery charger</td><td>100-240V AC, 50/60 Hz input for worldwide operation</td></tr> <tr> <td>Battery recharge time</td><td>6.5 hrs</td></tr> <tr> <td>Certificate</td><td>yes CE</td></tr> <tr> <td>Ambient Temperature</td><td>0-30 Degree Celsius</td></tr> <tr> <td><b>SYSTEM INCLUDES</b></td><td>           1 LED Headlight with rear cranial support HEAD BAND            2 Clip- on battery Holster            2 rechargeable Batteries(lithium-polymer)            1 USB charging cable            1 Padded Carrying case with Shoulder Strap            1 charger including adapter for EU, US, UK, AU         </td></tr> </table>	<b>Product</b>	<b>(KLS Martin) Med LED Chrome HEAD LIGHT SYSTEM-MC7 Pr</b>	Power/Wattage	10W LED Producing bright, White light	Intensity/Lux	275,000 lux	Colour temperature	5000-6500k	Typical LED life	> 100,000 hours	Variable Module Spot	100mm-200mm @ 46cm	Variable intensity control	0 -275,000 lux @ 46 cm	Headband with LED module weight	350 grams	Battery life	4 hours in Full intensity	Battery charger	100-240V AC, 50/60 Hz input for worldwide operation	Battery recharge time	6.5 hrs	Certificate	yes CE	Ambient Temperature	0-30 Degree Celsius	<b>SYSTEM INCLUDES</b>	1 LED Headlight with rear cranial support HEAD BAND 2 Clip- on battery Holster 2 rechargeable Batteries(lithium-polymer) 1 USB charging cable 1 Padded Carrying case with Shoulder Strap 1 charger including adapter for EU, US, UK, AU
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Battery charger	100-240V AC, 50/60 Hz input for worldwide operation																												
Battery recharge time	6.5 hrs																												
Certificate	yes CE																												
Ambient Temperature	0-30 Degree Celsius																												
<b>SYSTEM INCLUDES</b>	1 LED Headlight with rear cranial support HEAD BAND 2 Clip- on battery Holster 2 rechargeable Batteries(lithium-polymer) 1 USB charging cable 1 Padded Carrying case with Shoulder Strap 1 charger including adapter for EU, US, UK, AU																												

## PERIPHERAL NERVE STIMULATOR (High end)

### Technical specification

1. Should have a current range from 0.1 to 5mA
2. Should have a resolution of 0.01mA.
3. Should have a digital display for current.
4. Should have short stimulus pulse duration of 0.1ms.
5. Should have a frequency range from 0.1 to 99 Hz
6. Should be able to monitor single twitch, Train of four, PTC and DBC.
7. Should have integrated electrode cable with lead.
8. Should be battery operated.
9. Should be supplied with 20 sets of insulated needles in varied length.
10. Should have nerve maper.
11. Should have safety certificate from a competent authority CE/FDA (US)/ STQC CB certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate /test report shall be produced along with the technical bid.

## Technical Specification Syringe Pump

1.	Mode of Operation
2.	Programming range
	2.1) Volume to be infused ( VTBI): 0.1ml/h to 1200ml/h dependent on Syringe size
	2.2) Infusion rate : 0.1 ml to 9999ml
3.	KVO rate : 0.5ml/hr ( continuous mode, not VTBI)
4.	Occlusion Sensing Pressure Levels: Approximate Pressure:
	4.1 ) Low: 300mmHg $\pm$ 100mmHg 40.0kpa $\pm$ 13.3kpa
	4.2) Medium : 500mmHg $\pm$ 100 mmHg 66.7kpa $\pm$ 13.3kpa
	4.3) High : 800mmHg $\pm$ 100mmhg 1.6.7kpa $\pm$ 13.3kpa
5.	Drive Accuracy: $\pm$ 2%( Linear Accuracy)
6.	Mass Units : mcg/kg/min or mg/kg/hr
7.	Body weights : 0.1kg to 300kg
8.	Drug Mass 0.1mg to 999.9mg
9.	Solution Volume : 0.1 ml to 999.9ml
10.	Safety Features :
	10.1 ) Post occlusion bolus reduction
	10.2 ) Patient tubing holder
	10.3 ) Wide range of alarms
11.	On-pump syringe loading guidelines
12.	Syringe Size : 10, 20, 30, 50ml and 100ml.
13.	Weight : 220-230 V or 110-120 V ( not user adjustable) at 50-60Hz
14.	Dimension: AC Power Supply : Rechargeable 12 V DC Nickel Metal Hydride Ni-MH
15.	Battery Type: Battery life: >4 hours at 5 ml/h flow rate.
16.	Bolus flow rate:
	10-300ml/hr 10ml syringe
	10-500ml/hr 20ml syringe
	10-700ml/hr 30 ml syringe
	10-1200/hr 50ml syringe
	10-1500ml/hr 100ml syringe
17.	Audio/Visual Indication :
	Target reached ( time or volume , end of syringe, PCA probe & alarms disconnected, occlusion, battery discharged, motor unable to drive, syringe not engaged near empty. Battery low, operation on mains/ Battery
18.	CE notified body product.

सहसंचालक  
वैद्यकीय शिक्षण व संशोधन, मुंबई

संचालक  
वैद्यकीय शिक्षण व संशोधन, मुंबई

Sr - No - 8

## **Specifications O.T. TABLE (Medium End)**

### **Application**

Surgical Table is a mobile, hydraulic surgical table designed to support virtually major surgical procedures including general surgical, orthopedic, neurology, ERCP, urology, gynecology etc with the addition of table accessories. Table features can be opted by its mechanism i.e. Lateral tilt, Trendelenburg/ Reverse Trendelenburg, Chair Position, Flex – reflex and Adjustable height functions.

Should be constructed of stainless steel and other high quality materials. The table should be equipped with a large translucent top, for C-arm use.

Standard Accessory package –

- Anesthesia Screen
- Arm Board
- Shoulder Support
- Lateral Support
- Hand Rest
- Knee Crutches

### **Key Structure**

- Specialized for orthopedic, neurology, ERCP, laparoscopy and urology.
- should provide excellent C-arm and surgical access.
- Slim line column offset relative to tabletop and base.
- 150 kgs maximum patient weight.
- Furnished with hard, robust stainless steel shell which provides the sense of dirt free & ) sanitized operations. I
- Smooth height adjustment of the table can be achieved by using the foot pedal.
- Interchangeable general sections (head/leg).

### **Technical Constraints**

Top dimension L 1980 x W 533 mm  
Height adjustment 750 mm – 1000 mm  
Trendelenburg / Reverse 30° / 25°  
Lateral tilt 20° / 20°  
Kidney elevator 150 mm  
Back Rest (up / down) 80° / 25°  
Leg Rest (up / down) 15° / 90°  
Head Rest (up / down) 20° / 60°  
Patient Weight Capacity 150 kgs (330 lbs)

### **STANDARD ACCESSORIES**

Anesthesia Screen - The L-type anesthesia screen frame is the most commonly used and can be mounted on either side of the table. It can be adjusted in height and angle and conveniently fixed on the table Side-Rail Clamp to be ordered separately.

Shoulder Support – Made of stainless steel frame, foam pad and adjustable with require height and

SO - NO. 8

lateral position, to assure proper alignment to achieve patient's shoulder width, maximizing patient fixation stability during Trendelenburg.

Lateral Support – Mounted on side rails for supporting patient's body in lateral position, foam pad adjustable with requirement. The support is used for laterally positioning a patient or as restraints when laterally tilting operating table.

Hand Rest - The standard arm board is designed with an integral quick disconnect side-rail clamp to facilitate installation and removal. Finger latch control at outer edge of board provides 180° lateral adjustment with locking detent at 20° increments.

Knee Crutches – The foam padded leg crutch to distribute leg weight evenly and thereby minimize pressure. The angled stainless steel support rod can be adjusted for various height positioning. A ball and socket adjustment at the upper end of the support rod permits abduction and rotation at the knee. Restraint strap is included. This leg crutch can also be used as knee support to be fastened on the side rails via side-rail clamp for knee posturing.

Translucent Hand Rest with adjustable support – The operating frame has a sturdy stainless steel frame work, with radio translucent top material, to be inserted between pad and top board. The operating frame has an adjustable support rod to achieve excellent stability; thus, it can be adjusted vertically to match height of table top. It provides perfect working surface for delicate Armand palm surgeries.

58. No. 9

Equipment: Grossing station

Date:

No	Specification
	Approximate Cost (inclusive of all Taxes and transport) in Rs. 10,00,000/-
1.	The equipment should be a floor mounted model.
2.	There should be facility for video, audio recording and photography attachment. The photography attachment should have facility for enlargement.
3.	There should be facility for digital measurement of grossing specimens
4.	There should be IT support for storage and retrieval of data recorded with TFT display and recording system.
5.	There should be a formalin tank on top of the station with direct supply system to the work area.
6.	Both water and formalin faucets should be available in the work area.
7.	The station should be made of noncorrosive high grade stainless steel.
8.	Exhaust with filters for formalin vapors should be available.
9.	Sink should have removable filters on drain to trap debris/tissue bits.
10.	Working area should have good illumination.
11.	Magnetic front board should be available to stick instruments for grossing.
12.	Approximate size should be- breadth 6ft, depth 5ft, working area height 3ft.
13.	Sink with drain board would be preferred.
14.	Should have tissue or bone crusher at the drainage.
15.	It should have weighing Scale mounted on the grossing station for tissue weight measurement.
16.	Maintenance contract should be with Manufacture only (not with dealers). Details of Manufacturer to be provided.
17.	Should have service center in Mumbai & also engineer support.
18.	Satisfactory demonstration is essential for technical qualifications.
19.	Onsite installation, training and commissioning should be done free of cost.

Sr. No. 10

Specifications Drill Machine (High End)
Drill Machine with adjustable hammer (Electricity / Battery Operated) Metal Body Drilling Capacity 25mm (Concrete) 50mm (Wood) 720W Motor Speed Speed 0 to 4800RPM Parts made up of metal alloys (Additional Bits 50pcs) With Covering Case

Specifications

**Embalming Machine**

(High End)

Embalming Machine Cadaverous Injector, Stainless Steel, portable trolley, air compressor, 10 L stainless steel storage tank, Noiseless and Vibration free, safety valve, pressure gauge and rubber tubing, Reciprocator pressuring unit, equipment should be mounted on castors for easy movement and hand grip should be provided for lifting.

I.V. stand fixed for mounting canola tubing and mains cable Indicator for mains on & in use should be present the outer body should be of complete stainless steel Power supply : 220 V AC with trip facility

Motor with copper winding

Sx. No. 12

### Specifications

#### Meat cutting Machine

(Medium End)

Stainless Steel Meat Cutting Machine, 2 hp motor,  
Table made of thick SS sheet with special heavy axles for easy and  
firm movement Machine should be supplied complete with one blade,  
starter, cord and plug Machine should work on 220V, Copper Winded  
Motor single phase, 50 Hz AC supply Machine should be fitted with  
moving table and extension table mounted on four ball bearing rollers  
Additional accessories

Blade – SS 310, Thickness of Blade = 0.5 MM

Size of cutting table 55x55x92 cm

Power= 750 Watt

Saw Length= 1650 mm

Saw Width= 19 mm

S8 - NO. 13

### Specifications

Microtome sledge large cutting  
(Medium End)

Cutting stroke – 200-250 mm

Total feed range- +/- 8 degree horizontal and vertical

Specimen orientation - +/- 8 degree horizontal and vertical

Section thickness range 0-0.4 um in 1 um increments

Maximum specimen size 50X 50 mm.

S8. No. 14

## Projector

Technical Specification		
1.	TECHNOLOGY	3LCD Technology, RGB liquid crystal shutter 0.55 inch with C2 Fine
2.	IMAGE	Color Light Output - 3,600 Lumen- 2,400 Lumen (economy)  White Light Output - 3,600 Lumen Resolution - XGA, 1024 x 768, 4:3 Native Contrast - 16,000 : 1 Lamp UHE, 210 W, 6,000 h durability, 12,000 h durability (economy mode) Keystone Correction - Auto vertical: $\pm 30^\circ$ , Manual horizontal $\pm 30^\circ$  Colour Reproduction - Upto 1.07 billion colours
3.	OPTICAL	Throw Ratio zoom - 1.48 – 1.77:1 Size - Digital Resolution – XGA, 1024 x 768, 4:3 Projection lens F Number – 30 Inches – 300 Inches Projection length focal length – 16.9 mm – 20.28mm Offset – 8:1
4.	CONNECTIVITY	USB Display Function– 3 in 1: Image / Mouse / Sound  Interfaces– USB 2.0 Type B, RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN a/n (5GHz) (optional), VGA in (2x), VGA out, HDMI in, Composite in, Stereo mini jack audio out, Stereo mini jack audio in (2x), Cinch audio in, USB 2.0 Type A  Epson i Projection App– Ad-Hoc / Infrastructure
5.	GENERAL	Power consumption - 327 Watt, 225 Watt (economy) Product dimensions - 302 x 249 x 87 mm (Width x Depth x Height) Product weight - 2.7 kg Noise Level - Normal: 37 dB (A) - Economy: 28 dB (A) Positioning - Ceiling Mounted, Desktop Colour - White
6.	OTHER	<u>Warranty</u> 36 months Carry in, Lamp: 36 months or 1,000 h Optional warranty extension available

S8. No. 15

## Manikins (Clinical Pharmacy)

For Demonstration of

- Intravenous injection
- Enema
- Local Injection
- Intra muscular Injection
- Intra Cardiac
- Other routs of drug administration

Specifications:-

Life like Manikins for drug administration for IV, IM, Intra Cardiac Injection, Enema and other routs of injection

SX. No. 16

## Computer (Medium End)

- I5 Processor 8<sup>th</sup> Generation
- 6 GB RAM
- 1 TB Disc Space
- Monitor 21" (4:3) LED

Additional Accessories		
		Middle End
a)	Keyboard wired	Yes
b)	Mouse Wired	Yes
c)	Speaker	Yes
d)	USB Port (Min 2.3)	Yes
e)	Web Camera	Yes
f)	HDMI (Min 1)	Yes
g)	WIFI capability	Yes

### With

- Windows 10 Genuine with MS Office 19 Genuine (Professional)

38. No. 17

# Laptop (High End)

Sr.No	Specifications	
1.	Operating System	Windows 10 Genuine MS office
2.	Processor	I7 Quardcore 2.5 GHZ Top Generation
3.	RAM	16 GB
4.	ROM	2 TB
5.	Graphics	4 GB
6.	Display Size	15"
7.	Warranty	3/5 Years
8.	Additional Accessories	
a)	Keyboard wired	Yes
b)	Mouse Wired	Yes
c)	Speaker	Yes
d)	USB Port (Min 2.3)	Yes
e)	Web Camera	Yes
f)	HDMI (Min 1)	Yes
g)	WIFI capability	Yes

2	Trial set with Trial frame for adult and children	<p><b>Low End / Medium End / High End</b>  <b>(Price Range – 40000-50000)</b></p> <p>32pairs Each cx and cc sph</p> <p>20.00 Pairs Each cx and cc cyl</p>
		<p>0.25 to 4.00 in 0.25 Steps</p> <p>0.25 to 3.50 in 0.25 Steps</p> <p>4.50 to 6.00 in 0.50 Steps</p> <p>4.00 to 6.00 in 0.50 Steps</p> <p>7.00 to 14.00 in 1.00 Steps</p> <p>Prisms 1/2.1, 2, 3, 4, 5, 6, 8, 10, 12</p> <p>16.00 to 20.00 in 2.00 Steps</p> <p>Jackson cross cylinder</p> <p>Red and green glasses</p> <p>Metallic trial frame with adjustable IPD and cylindrical marking – Adult and paediatric</p> <p>Wooden box for trial set</p> <p>Occluder - 2</p> <p>US FDA/ European CE/ Country of origin CE</p> <p>Pin Hole – 2</p> <p>Maddox Rod.</p>

Sx. No. 19

11	Slit Lamp	<b>MEDIUM END</b> <b>(Price Range –2.5LACS)</b>	
		Microscope	Galilean
		Magnification Change	3 to 5 step drum rotations
		Eye Piece	12.5x or 10x
		Objective	0.4x, 0.6x, 1x, 1.6x, 2.5x
		Magnification Ratio	6x, 10x, 16x, 25x, 40x
		Real Field of view	43, 27, 16, 11, 7 mm
		Pupillary Distance	55 – 75 mm Adjustable
		Diopetre Adjustment	+ / - 6D
		Working Distance	100 mm
		Slit Width	0 – 14 mm Continuously
		Slit Length	0 – 14 mm Continuously
		Slit Apertures	0.2, 1, 3, 4, 6, 10 14 mm
		Slit Angles	0 deg - 180 deg
		Slit Inclination	5, 10, 15, 20 deg
		LED Bulb Illumination	3.4v 700mA
		Filters blue	Heat Absorbing, Green & cobalt
		<i>Movement Ranges:</i>	
		Longitudinal ( in / Out)	99mm
		Lateral (Left / Right)	118 mm
		Vertical ( Up / Down )	30 mm
		Chin Rest Range	117 mm

58. NO. 19

	<p>Should have inbuilt External Light Source &amp; Diffuser The slitlamp bulb Illumination to be controlled through slit lamp base regulator Assembly Should have triggering Switch in joystick to capture the images Should have motorized table with big table top in which the Monitor will be kept &amp; separate case to keep CPU</p> <p><i>Unit stand</i></p> <p>Table top 1100*410*20 mm Metal base 860*430*25 mm Wheel assembly for shifting Motorized UP/DOWN Maximum height adjustment 300mm Wheel chair accessibility</p> <p><i>Power</i></p> <p>Input 230 V AC Power extension box 4 plug US FDA/ European CE/ Country of origin CE</p> <p><i>Accessories</i></p> <p>1. Stabiliser 2. Applanation tonometer 3. Yellow filter</p>
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S8. No. 20

A scan with pachymete r	System Control Input Devices : USB keyboard,mouse and foot pedal	
	<b>ASCAN PROBE</b>	
	Probe Frequency	10MH□
	Fixation	Internal LED
	<b>Measurement range</b>	
	Axial Length	14.0 mm to 40.0mm
	ACD	2.0 mm to 6.0 mm
	Lens Thickness	2.0 mm to 7.5mm
	Measurement Accuracy	+ 0.1 mm
	<b>Measurement Techniques</b>	
	Method	Immersion / Contact
	Mode	Auto / Manual
	Lens Type	Aphakic, Normal, Cataract, Dense Cataract, Pseudop ( Silicone, PMMA, Others ) Silicone Oil
	<b>IOL Calculation</b>	
	Formulae	SRK - T, SRK - II, Holladay, Binkhorst, Hoffer-Q, F AME* and Post Refraction Formulae
	Display Control	High resolution 8 inch colour display With Touch sc
	Storage	100 Patient records, 10 preset users 25 IOL Configu
	Camp Mode	Fast measurement with IOL calculation In single scr Printer
	Printer	Fast Thermal printer with Auto Cutter
	<b>Power</b>	
	Electrical Requirements	230V AC / 50Hz
	<b>PACHYMETER Specifications :( General )</b>	
	Measurement Range	200- 10

		00 Microns
	Accuracy	+ Or - 4 Microns
	Frequency	20MHz
	Communication	RS232 for PC connection
	<p>IOP Adjust Software</p> <ul style="list-style-type: none"> <li>• Easily Adjust IOP based on measured CCT.</li> <li>• CCT measurements</li> <li>• Guaranteed fast and easy Measurements</li> </ul> <p>Scan Modes</p> <ul style="list-style-type: none"> <li>• Continuous/Mapping</li> <li>• User programmable Mapping (up to 90 maps)</li> </ul> <p>Measurements</p> <ul style="list-style-type: none"> <li>• Adjustable Corneal Velocity</li> <li>• Automatic Sensing Algorithm</li> <li>• Measurement Review</li> <li>• 900 Scan Average with Standard Deviation</li> </ul> <p>Probe</p> <ul style="list-style-type: none"> <li>• 20MHz Angled or Straight</li> </ul> <p>Other Features</p> <ul style="list-style-type: none"> <li>• Auto /Manual Gain</li> <li>• Automatic calculation of standard deviation and average axial Length (Serial of 90 measurement )</li> <li>• Simultaneous display of 3 different IOL calculation</li> <li>• RTC shown the Date Time throughout the life of the instrument.</li> <li>• Various user Programmable Printouts format</li> <li>• Measurement possible for various velocity of each segment.</li> <li>• *AME Formula - The new generation programmed software Takes care of any Axial Length.</li> <li>• CE of country of origin and/or US FDA and/or European CE</li> </ul>	

## Direct Ophthalmoscope

<p>8 Direct Ophthalmoscope</p>	<ul style="list-style-type: none"> <li>• Unique optical system. It should optimize the Gullstrand principle with aspherical optics (separation of illumination and observation beam). Corneal and iris reflexes are eliminated. A full view is guaranteed even with small pupils.</li> <li>• XHL Xenon Halogen Technology. Bright, white light.</li> <li>• Range of lenses: 27 lenses from -35 D to +40 D.</li> </ul> <p>+ in 1 D steps: 1 – 10 15 20 40 D</p> <p>– in 1 D steps: 1 – 10 15 20 25 35 D</p> <ul style="list-style-type: none"> <li>• 7 apertures with separate red-free filter. Suitable for large or small pupils. Incorporates slit aperture, fixation star, cobalt blue filter and red-free filter for improved contrast.</li> <li>• Recessed, multi-coated viewing window. Avoids stray light.</li> <li>• Dustproof housing. Maintenance-free.</li> <li>• Optics mounted on precision metal chassis. Durable, precise.</li> <li>• Ergonomic shape.</li> </ul> <ul style="list-style-type: none"> <li>• Spare Parts :- 2 Additional Bulb</li> <li>• Power Requirement :- 220 to 240V</li> <li>• Frequency:- 50Hz</li> <li>• Internal Batteries:- Rechargeable / Compatible 2.5V &amp; 3.5V Batteries</li> <li>• LED display to indicate changing stapes :- Handles Provided</li> </ul> <p>Soft orbital support. Protects the users' glasses and steadies the instrument</p>
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Sx, NO. 22

**Eviscerati on Set**

33	Eviscerati on Set	<ol style="list-style-type: none"><li>1. Adson fixation forceps</li><li>2. Hartman mosquito forceps straight</li><li>3. Colibri forceps 1 x 2 teeth 0.12mm</li><li>4. Desmarres Lid retractor size 1-12mm width</li><li>5. Enucleation scissors ring handle medium curve</li><li>6. Enucleation scissors ring handle strong curve</li><li>7. Knapp strabismus scissorsblunttipsring handle straight</li><li>8. Knapp strabismus scissorsblunttipsring handle curved</li></ol>
		<ol style="list-style-type: none"><li>9. Lancaster eye speculum</li><li>10. Wells enucleation spoon small</li><li>11. Bunge evisceration spoon small</li><li>12. Bunge evisceration spoon large</li><li>13. Sterilization box with silicone mat</li></ol>

Sr. NO. 23

### Enucleation Set

32	Enucleation Set	<ol style="list-style-type: none"><li>1. Adson fixation forceps</li><li>2. Hartman mosquito forceps straight</li><li>3. Colibri forceps 1 x 2 teeth 0.12mm</li><li>4. Desmarres Lid retractor size 1-12mm width</li><li>5. Enucleation scissors ring handle medium curve</li><li>6. Enucleation scissors ring handle strong curve</li><li>7. Knapp strabismus scissors blunt tips ring handle straight</li><li>8. Knapp strabismus scissors blunt tips ring handle curved</li><li>9. Lancaster eye speculum</li><li>10. Wells enucleation spoon small</li><li>11. Bunge evisceration spoon small</li><li>12. Bunge evisceration spoon large</li><li>13. Sterilization box with silicone mat</li></ol>
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Sx. No. 24

**Indirect ophthalmoscope**

10	Indirect ophthalmoscope	<ul style="list-style-type: none"><li>• Indirect with Inbuilt Filters – Red Free, Cobalt Blue, Yellow</li><li>• Camera With 5 Megapixel Resolution</li><li>• Integrated Focus Adjustment</li><li>• Suitable For The Examination Of Premature Babies</li><li>• Interface And Software</li><li>• Plug Into Any Laptop Or Computer Via USB 2.0 Interface</li><li>• Software Program For Video Recording And Image Capture</li><li>• Integrated Camera Design</li><li>• Cable-Free Power Source System With mPack UNPLUGGED Rechargeable Battery</li></ul> Teaching aids, warranty for 3years. Including all spares and calibration work.
		<p>Mandatory Accessories:-</p> <p>Three Pencils fundus chart scleral deperson, 20D condensing lens with anti-reflective coating.</p> <p>Bulb:- 2nos, bulb holder, bulb cover.</p>

SX.N0.25

# Keratometer

	Radius of Curvature	5.0~10.2mm (Increments: 0.01mm)
	Corneal Power	33.00~67.50D (When Cornea Equivalent Refractive index is 1.3375. Increments selectable From 0.12, 0.25D)
	Corneal Astigmatism	0.00~-15.00D (Increments Selectable from 0.12,0.25D)
	Axis (AX)	1-180 (increments 1)
	Cornea equivalent Refractive index 1.3375	1.3375
	Measurement range	Ø2.0mm
	Contact lens base curve measurement	
	PD measurement	2.0~12.0mm (Increments:0.1mm)
	User Key	LCD monitor Down side

## **SCHIOTZ TONOMETER SPECIFICATION**

- High quality agate bearing for long service life
- Precision measurement on a scale of 0 to 20 sub-divisions
- Perfect reading of the scale with red pointer
- All vital parts are made of stainless steel
- Including three weights (5.5 g, 7.5 g, 10 g / 0.19 oz, 0.27 oz, 0.35 oz) and conversion table
- Impact-resistant case

C8. No. 27

### **Centrifuge clinical**

Electrical operated dome type sturdy stable heavy body with resiliently mounted motor working on 220V AC 50 Hz single phase for vibration free performance with built in 5- speed regulator and non-removable swing out rotor. Complete with tube carriers. Maximum speed 3500 RPM. neatly finished in stoving enamel.

- a) 8 x 15 ml tubes.

Sr. NO. 28

### **Chloroscope**

it is used to check the residual chlorine in drinking water, Simple, Sturdy and Portable apparatus.

58. NO. 29

**Craft Water Testing Kit/MICROPROCESSOR WATER AND SOIL ANALYSIS KIT**

16X2 Alphanumeric LCD Display covering 6 parameter pH, Conductivity, Temperature, TDS, ORP and salinity battery cum mains operated, completer with accessories, fitted in briefcase. RS 232 Computer interface facility available

Sx. No. 30

**First Aid Kit**

Crepe Bandage 6cm, Adhesive bandage regular  
Pain Relief Gel 30gm, Povidone Iodine Ointment 20gm  
Oral Clinical Thermometer Medium, Antiseptic Liquid 50ml  
Absorbent Cotton I.P. 15gm, Microporous Surgical tape  
Paracip/Para choice, Roller Gauze 7.5cm\*4mtrs  
A pair of Scissors (Small)

86. NO. 31

**Horrocks Water Testing Kit**

Alkalinity: 25 to 750 mg/l  
Total Hardness : 25 To 1000 Mg/l, Chloride : 100 Mg/l

### Haemoglobinometer

used to measure the amount of hemoglobin (Hb) in the blood

Measuring Method :Cyanmethemoglobin–

Measuring Range : 0 – 30 gm/dl of Hb. Page 30 of 49 – Dilution Ratio : 1:25 I Sample Volume : 1 ml  
Display : 3 Digit 7-Segment Red LED Display Wavelength : 546 nm – Keyboard : 3 Keys, Soft  
Touch Membrane Type Zero Setting : Automatic – Calibration : Automatic – Detector : Highly  
sensitive silicon photodiode Power : 230 V  $\pm$  10% AC, 50 Hz – Dimensions (L x B x H) : 195 x 235 x  
105 mm (Approx.) Weight : 2.5 Kg. (Approx.) Accessories: Matched Test Tube: (A set of 5), Spare  
Lamp, – Operation Manual and Dust Cover

Sr. No. 33

### Mosquito catching kit

Product type: Mosquito and Insects trap.

Insect display box, sweep net, insects spreading board, entomology pins, Forceps, Lens, Killing Jar and Ethyl acetate.

58. NO. 34

#### MUAC Tape

Flexible and washable material.

Measuring in cm

Measuring upto 30 cm.

Graduation: 1 mm.

Non-stretchable PVC material.

Color coded:

3-11.5 cm (Red), 11.5- 12.5 cm (Yellow), 12.5 to 30 cm (Green)

### Ophthalmoscope

LED fiber optic ophthalmoscope with AA battery

1. Should be rechargeable battery with Charger / mains operated.
2. Should have halogen / LED light source
3. Should have red-free filters
4. Should have small and large spot sizes
5. Should have wheel control with lens powers ranging from +20D to -35D in single diopter steps up to 10D and 5D steps above that.
6. Should have illuminated lens dial. 7. Should have rubber brow rest.
8. Should have dust free optics and a spherical optical system
9. Should be supplied with a carrying case.
10. If halogen lamp is used, then the following additional accessories should be supplied a. Bulb – 1  
no b. Bulb holder c. Bulb cover

### Otoscope

German Mini type with handle and disposable tips

1. Should be a convenient pocket type otoscope.
2. Should be provided with a halogen light source.
3. Should be able to detach the otoscope head.
4. Should provide no reflections and obstructions.
5. Should provide detachable accessories of various sizes.
6. Should have in built rechargeable battery. Recharge should be possible with direct mains supply

SS-NO-37

**Public Address System (Portable) :**

- 1 Speaker and 7.2A.H Rechargeable battery,
- 2) One Hand Mike
- 3) One Antina Cable,
- 4) One A.C Lead(Main cord) 5 METERS,
- 5) One Remote Control,

**SOUND LEVEL METER (NOISE LEVEL METER) :**

Sound pressure accuracy:  $\pm 1.5$  dB (sound pressure standard, 94dB @ 1 KHz) Sound pressure frequency response: 30Hz-8KHz Dynamic range of sound pressure: 50 dB (for each measurement gear level) Technical specification of the sound level meter PCE-353

Measuring range 30 ... 130 dB

Resolution 0.1 dB Accuracy  $\pm 1$  dB

Measurement memory 30 measurements

Frequency 31.5 Hz ... 8 kHz

Measurement functions Leq, Lp, Ln Other features Peak-Hold, limit function

Manufacturer warranty 24 months PC-Software optionally available

Power supply 4 x 1.5 V AAA Interface RS-232

Dimension 236 x 63 x 26 mm

Weight 170 g

Delivery Contents of the sound level meter PCE-353 1 x sound level meter PCE-353, 1 x wind noise suppressor (foam ball), 1 x tool box, user manual

SO. NO. 39

TeleVision : 43 inch, Smart TV Make : Std

Resolution: 1080p Full HD

Display technology: LED

Audio Wattagr: 10 watts

Refresh Rate: 50 Hz

Total USB ports: 02

Connector type: Built in Wifi