

Annexure-A

Re- Tender Notice No. I/TIOR/RIMS-2000

Imphal, the 17th Nov 2014.

1) Specifications for Video Assisted Thoracoscope complete set (with accessories) with voltage Stabilizer

I. Thoracoscopy:-

| Sl No. | Description | Qty required |
|--------|--|--------------|
| i | Panoview plus- telescope, distortion free, 30 ⁰ , diameter 7 mm and 10mm, WL 300mm. | 1each |
| ii | Reprocessing basket for telescopes, length 471mm | 1 |
| iii | Ball fixers for reprocessing baskets, pack of 20 pieces | 1 |
| iv | Fibre light cable, 2,3 m, fibre bundle diameter 3,5 mm | 1 |
| v | Flexible trocar sleeve, plastic, oblique distal tip, capacity 5.5 mm, WL 75 mm | 2 |
| vi | Trocar blunt, conical tip | 1 |
| vii | Flexible trocar sleeve, plastic, straight distal tip, capacity 7 mm, WL 75 mm | 2 |
| viii | Trocar, blunt conical tip | 1 |
| ix | Flexible trocar sleeve, Plastic straight distal tip, capacity 10 mm, WL 60 mm | 2 |
| x | Trocar, blunt, conical tip | 1 |
| xi | Flexible trocar sleeve, plastic, straight distal tip, capacity 12,5 mm, WL 60 mm | 1 |
| xii | Trocar, blunt, conical tip | 3 |
| xiii | Probe, graduated, diameter 7 mm, WL 450mm | 1 |
| xiv | Parenchyma forceps 5mm, 30mm curved left, WL 260 mm | 1 |
| xv | Parenchyma forceps 5mm, 30mm curved right, WL 260 mm | 1 |
| | Parenchyma forceps 5mm, 50mm curved left, WL 260 mm | 1 |
| | Parenchyma forceps 5mm, 50mm curved right, WL 260 mm | 1 |
| xvi | Lung grasping forceps 5mm, angled, WL 270 mm | 2 |
| xvii | Grasping forceps 7mm, curved left, WL 400 mm | 2 |
| xviii | Artery forceps 5 mm, curved left, WL 270 mm | 1 |
| xix | Artery forceps 5 mm, curved right, WL 270 mm | 1 |
| xx | Scissors 7 mm, straight WL 260 mm & curved | 1 each |
| xxi | Tissue retractor 7 mm, curved, WL 320 mm | 1 |
| | Pleura abrader 4.5 mm, WL 500 mm | 1 |
| xxii | Powder spray | 1 |
| xxiii | adapter | 1 |
| xxiv | Disposable containers, pack of 100 | 1 |
| xxv | Disposable membrane filter, sterile, pack of 50 | 1 |
| xxvi | Powder spray tube | 1 |
| xxvii | Double hand bulb | 1 |
| xxviii | Aspiration tube, 4 mm, WL 160 mm | 1 |
| xxix | Stoppers for disposable containers | 1 |
| xxx | Suction irrigation handle | 1 |

| | | |
|--------|--|---|
| | Suction tube 5 mm, straight WL 340 mm | 1 |
| xxxi | Suction tube 5 mm, angle WL 340 mm | 1 |
| xxxii | Hook electrode 5mm, curved WL 340mm | 1 |
| xxxiii | Needle holder 5 mm, straight WL 300 mm | 1 |
| xxxiv | HF connecting cable, monopolar | 1 |
| xxxv | Basket system for sterilization, transport and storage instrument basket, high – standard, contains: basket lower part, lid high, spring lock 2 x, instrument rack deep, instruments rack flat, support bar 4 x, w x l x h 250 x 530 x 200 mm. | 1 |
| xxxvi | Starting set silicone holder for laparoscopy consisting of 3 x silicone holder, closed, for up to 5 items, 3 x silicone holder, open, for upto 5 items, 1 x silicone holder, closed, triple, 1 x silicone holder, open, for up to seven items. | 1 |

II . Visualization

| Sl No. | Description | Qty required |
|--------|--|--------------|
| i | RIWO mobil with 4 shelves, 3 continuous adjustable, WxHxD 673 x 1508 x 688 mm | 1set |
| ii | Basic electrical fittings 230V | 1 |
| iii | Transformer module in conjunction with basic electrical fitting | 1 |
| iv | Drawer | 1 |
| v | Mounting for laparo pump 2215 | 1 |
| vi | CO2 bottle holder 10 L, for bottles with diameter up to 160 mm, max weight 35 kg | 1 |
| vii | HD monitor SONY 24 inch HD, resolution: 1920 x 1200 pixel, power supply: 100/240V, 50/60 Hz. | 1 |
| viii | Stand for 24" Monitor | 1 |
| ix | HDTV ENDOCAM system with image format 16:9, Full HD resolution 1920 x 1080 pixel, 3 CCD HDTV camera heads autocalvable, highest standard 1080p for unbeatably sharp crisp detail and colour brilliance, professional signal outputs HDSDI and DVI, optimal system, compatibility to 16:9 and 16:10 HDTV LCD monitors: video outputs: 2 x DVI-D 1280x720p, 1920x 1080i, 1920x 1080p, 2 xHD-SDI (BNC) 1280 x 720 p, 1920 x 1080i 1 x S- video (Y/C) on Mini-Din 4 pin 1 x Video (FBAS) on BNC composite Camera Head: Weight 0.230 Kg, housing dimension 38x 50mm | 1 |
| x | Light source LP5132 set, consisting of light source (5132,001) with universal light cable socket, spare lamp module 300 W xenon (2431,121) and mains cable (2440,03), continuous manual light emission control 2-100%. | 1 |
| xi | Suitable Voltage Stabilizer | 1 |

2) Specifications for Sternum Saw

- a) Manman Driving Unit
 - i) 220Volts/ 5 Amp A.C. Supply
 - ii) Complete enclosed.
 - iii) Foot Control for on/off and speed.
 - iv) Castors for mobility.
 - v) Can be dismantled & Packed into a suitcase.
 - vi) Flexible shafts (cable) & stand for above.
 - vii) Foot control.

- b) Flexible Shaft

- i) Length 1.5 mtrs.
 - ii) Weight approx. 1000 gms.
 - iii) Autoclavable.
 - iv) Push-Pull type ends.

- c) Sternum saw handpiece

- i) Reciprocating blade type
 - ii) Weight 850 gms. Approx.
 - iii) Ideal for sternotomy.
 - iv) Reciprocations 13,000/CPM
 - v) Autoclavable.

- d) Sternum saw handpiece (Ped)

- i) Reciprocating Blade type
 - ii) Weight 850 gms. Approx.
 - iii) Ideal for Sternotomy (ped).
 - iv) Pediatric type blades available.
 - v) Smaller anchors provided.
 - vi) Reciprocations 13,000/ CPM
 - vii) Autoclavable.
 - viii) Tool kit & special container.

- e) Redo saw handpiece

- i) Oscillating Blade type.
 - ii) Weigh 750 gms. Approx.
 - iii) Ideal for resternotomy.
 - iv) Sector type blades provided.
 - v) Oscillations 13,000/ CPM
 - vi) Autoclavable.

3) Minor Equipments:-

| | <u>Qty.</u> |
|--|-------------|
| i) Dual chamber external cardiac pacemaker. | - 2 nos. |
| ii) Forgathy arterial catheter 6F | - 20 nos. |
| iii) Meyer vein stripper | - 5 nos. |
| iv) Tubb's dilator | -2 nos. |
| v) Bronchial clamp (L) | -2 nos. |
| vi) Bronchial clamp (R) | - 2 nos. |
| vii) Left auricular clamp | - 2 nos. |
| viii) DVT prevention compression system with transportable lithium –ion battery- | 2 nos. |
| ix) Vascular sets | - 2nos. |

4) Hand Held video Laryngoscope:-

- i. LED display with 260 degree display.
- ii. Display screen size of minimum 6 x 6 cm.
- iii. Light weight & portable.
- iv. Channeled & without channeled blade option.
- v. Video output port.
- vi. Computerized power management system.
- vii. Camera with anti-fog lens.
- viii. Camera resolution of 400x 440 VGA or more.
- ix. Battery back-up of minimum 90 minutes.
- x. Battery status indicator on optics indicating the need to recharge
- xi. Docking station complimentary with each optics for recharging the optics when needed.
- xii. Guided disposable blades for smooth ETT insertion.

5) OT TABLE HYDRAULIC WITH MANUAL

TECHNICAL SPECIFICATIONS:-

- i. The table should have minimum 4 sections.
- ii. The table should have easily detachable split leg and easily detachable head section.
- iii. The table top should have a minimum height of 765mm or lesser.
- iv. The table top should have a minimum vertical stroke of 250mm.
- v. Should have sealed hydraulic mechanism to avoid oil spillage.
- vi. Should have at least 25° trendelenburg and reverse trendelenburg.
- vii. Should have at least 20° lateral tilt movement.
- viii. Should have at least 80° back up movement with gas spring mechanism.
- ix. The head section should have up and down movement.
- x. The leg section should have 90° down movement and should move side wards to a minimum of 90 degree.

- xi. The table should have a heavy and sturdy base and compact to provide adequate foot room for the operating team.
- xii. The table should be mounted on heavy duty casters which offer enhanced weight bearing capacity and free mobility.
- xiii. The table should have a single lever foot operated brake pedal.
- xiv. Should have a minimum patient weight bearing capacity of 100 Kgs.
- xv. Base should be made of cast iron and all other parts and accessories should be completely made of Stainless Steel 304 grade except the cushion, gas spring and hydraulic system which should be made of any non-resting metals like brass etc.
- xvi. The table should be supplied with the following accessories.
- xvii.
 - a . Mattress for the complete table top in sections -1 set
 - b. A pair of arm boards with pad and fixing clamp -1
 - c. A pair of padded shoulder support with clamps -1
 - d. A pair of padded lateral support with clamps -1
 - e. A pair of leg crutches with clamps -1
 - f. Anaesthetic screen frame with clamp-1
 - g. Patient restraint strap-1
- xviii. The table should have the facility for easily detachable kidney bridge attachment and the price shall be quoted optionally.



(Prof. Ch.Arun Kumar Singh)
Director,
Regional Institute of Medical Sciences,
Imphal