



Running Contract Details	
Equipment Name	Arthroscopy camera & instruments and shaver system Model B
Running Contract Valid Till	16-04-2026
Tender Ref No	KMSCL/EP/T521(R)/4B/2024
Tendered Quantity	15
Supplier Name	M/s Neoptic Surgicals
GST No	32ACFPK5938G1ZO
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
35/1476 Kripa South Janatha Road Palarivattom Kochi-682025	Contact Person	Mr. K.J Kurian
	Phone	
	Mobile No	9447039805
	Email	neopticsurgicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	HD Camera Sytem (3 chip) with all accessories <i>Model &amp; Make : 1688-010-000,1688=020-122,1688-210-105 UR4MD/Stryker</i>	3242249.49 Incl.GST :12%	239115.9	3481365.39
2	<b>Telescope 30 Degree with all accessories</b> <i>Model &amp; Make : 0502-104-030/ Stryker</i>	164132.55 Incl.GST :12%	12104.78	176237.33
3	<b>300 W Light source with all accessories</b> <i>Model &amp; Make : 0220-220-001,0233-065-0101/Stryker</i>	648560.52 Incl.GST :12%	47831.34	696391.86
4	<b>Shaver System with all accessories</b> <i>Model &amp; Make : 5400-052-000, 0375-704-500E, 5100-008-000, 0375-544-000/ Stryker</i>	1353684.51 Incl.GST :12%	99834.23	1453518.74
5	<b>Arthroscopy Instruments with all accessories</b> <i>Model &amp; Make : 0747-037-550,0747-031-510,0300-034-100, 0300-034-400, 0300-034-401, 3910-500-800, 0300-034-390, 0300-034-600 / Stryker</i>	419889.87 Incl.GST :12%	30966.88	450856.75
6	<b>Trolley for Arthroscopy system</b>	50000 Incl.GST :12%	3687.5	53687.5

Item-wise Price Details							
7	Sterilization tray & chamber			20000 Incl.GST :12%	1475	21475	
8	Stabilizer			100000 Incl.GST :18%	7000	107000	
9	Medical Grade FHD Monitor			374483.16 Incl.GST :12%	27618.13	402101.29	
				<b>6373000.1</b>	<b>469633.76</b>	<b>6842633.86</b>	
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>HD Camera Sytem (3 chip) with all accessories</b>							
Labour	65,272.00	65,272.00	65,272.00	65,272.00	65,272.00	65,272.00	65,272.00
Comprehensive	1,30,545.00	1,30,545.00	1,30,545.00	1,30,545.00	1,30,545.00	1,30,545.00	1,30,545.00

### Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### Technical Specification

#### Equipment :HD Camera Sytem (3 chip) with all accessories

#### **I. Telescope**

1. Should be supplied with wide angle oblique 30<sup>0</sup> telescope, autoclavable, enlarged view of diameter 4 mm, and maximum length 15 to 19 cm
2. Should have incorporated fiber optic light transmission
3. Should have scratch resistant tip

#### **II. Shaver System**

1. Should be supplied with a microprocessor controlled shaver control unit, Shaver hand piece with hand control switches and 2 pedal foot switch
2. Should display the running RPM
3. Should have feedback technology to maintain the selected RPM throughout the surgery
4. The shaver hand piece should have minimum 8000 rpm speed
5. The hand piece must be provided with DC brushless built in motor for minimal maintenance

6. Should have tools free design for mounting of cutting accessories
7. Should have autoclavable hand piece
8. Should be supplied with 1 set of autoclavable blade or 6 set of disposable blades
9. Should work with input 200 to 240 Vac 50 Hz supply
10. Should have safety certificate from a competent authority CE/ FDA (US)/ STQC CB certificate/ STQC S certificate or valid detailed electrical and functional safety test report from ERTL
11. The arthroscopy shaver should be compatible to accept 1.9 to 6mm blades

### **III. Arthroscopy Instruments**

1. Should be provided with 6mm ( $\pm 0.5$  mm) Arthroscopy sheath / cannula with easy locking mechanism and two rotating stop cocks.
2. Trocar and obturator for 6mm ( $\pm 0.5$ mm) easy lock sheath.
3. Arthroscopic probe 3mm( $\pm 0.5$ mm )
4. Punch forceps, trough cutting, straight, heavy jaws, diameter 3.5mm( $\pm 0.2$ mm )minimum working length 13 ( $\pm 1$ cm), consisting of handle without ratchet and working attachment (basket forceps)
5. 90<sup>0</sup> left rotary punch
6. 90<sup>0</sup> right rotary punch
7. 3.4 ( $\pm 0.2$ mm) grasping forceps.
8. Scissors straight, diameter 3.5 mm, minimum working length 13 cm

### **IV. Others**

1. Should be supplied with suitable trolley
2. Trolley should have at least 5 power sockets to connect the camera, shaver system, light source, monitor, etc.
3. Should be provided with sterilization tray and chamber 2 nos. each
4. Equipment should be provided with a line cord (power cord) of acceptable durability, quality, length and current carrying capacity and should be compatible with Indian standard power socket
5. Equipment performance should not be affected by electro magnetic radiated or conducted through power lines from another device
6. Equipment should be provided with sufficient capacity automatic servo stabilizer and should be fixed in the supplied trolley

### **V. A. HD 3 chip High definition Camera System with recording facility (External or Internal)**

1. The system should be truly Digital HDTV endoscopic video camera.
2. The system should have the minimum Resolution of 1920 x 1080 pixels, progressive scan and the consistent use of 16:9 format for Input & Output to guarantee genuine HD TV.

### **V. B. HD 3 chip High definition Camera Head**

1. 3 chip HD Camera Head resolution 1920 x 1080 pixel, 3x1/3" CCD/CMOS Progressive Scan 60HZ at least with 2 freely programmable Camera Head buttons and optical zoom lens of 2x dynamic optical / digital zoom range.
2. The system should have special features:
  - a. Should optimize image quality & Digital Source Sampling thus maximizing hi-fidelity image transmission.
  - b. The system should have Optical Zoom/ digital Zoom to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used
  - c. The system should automatically optimize all settings. The system should be ready to-use as soon as it is connected to the camera control unit.

### **V. C. HD 3 chip High definition Camera Control Unit**

1. AGC: Microprocessor controlled
2. The system should have the following features:
  - a. Camera system should have at least two camera buttons to control the various functions of the camera from the camera head.
  - b. Should have the facility to add fiberoptic filter
3. All the camera head button functions can be also controlled by the keyboard/touch screen from a non sterile field.

4. Video Outputs – DVI,HD SDI,S-Video/ S-Video Converter

5. DVI Connecting Cable

6. Power supply — 220-240 VAC 50/60 HZ

7. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US)

#### **VI. Cold Light Source**

1. LED light source equivalent to 300 W

2. Standby mode

3. Universal jaw assembly to adapt any make of fibre optic cable

4. Fibre optic light cable with straight connector size 4.8mm or above, length 300 cm or above. heat resistant.

5. Heat Resistant

6. Adjustable brightness control

7. Should have Light intensity indicator.

8. In case of integrated light source, rate for separate light source as per specification to be offered.

#### **VII. Medical Grade FHD monitor for 3 chip camera should be provided**

1. Medical grade 26" or more FULL HD TFT/LCD/LED flat panel Monitor with color systems PAL, NTSC.

2. Maximum screen resolution 1920 x 1080 pixels, Image format 16:9

3. Video inputs: DVI, HD-SDI, VGA, S-Video, Composite

4. Video outputs: DVI, HD-SDI, S-Video

5. Power supply 220 - 240 VAC, 50/60 Hz

6. Monitor Stand, with integrated cable channel, for use with Monitor

#### **VIII. Remarks**

It is hereby clarified that Telescope, Shaver System, Arthroscopy Instruments, HD Camera System, LED Light Source and Medical Grade FHD Monitor should be from the same manufacturer

#### **Note:**

1. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid

2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail