



Running Contract Details	
Equipment Name	Flexible Video Naso PharyngoLaryngo Scope Compatible with Stroboscope
Running Contract Valid Till	24-01-2021
Tender Ref No	KMSCL/EP/T298/1270/2018(R)
Tendered Quantity	16
Supplier Name	M/s Serumbiologicals
GST No	32FKIPS9153R2Z4
Model & Make	Olympus Medical Systems India Pvt Ltd
Unit rate (Rs)	38,49,731.00
CGST 9.00%	3,46,475.79
SGST 9.00%	3,46,475.79
IGST 0.00%	0.00
Total Cost(Exl.KMSCL S.C) Rs.	45,42,682.58
Flood Cess (1%) Rs.	38,497.31
Service Charges 7% + GST 18%	3,17,987.78 (Applicable for purchase through KMSCL only)
Total Cost(Incl. KMSCL S.C) Rs.	48,99,167.67
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	
Rajagiri Southgat Thirunakkara Kottayam	Contact Person	Sunilkumar
	Phone	4812563636
	Mobile No	9745163636
	Email	serumbiologicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Flexible Video Naso PharyngoLaryngo Scope Compatible with Stroboscope	4581179.89	317987.78	4899167.67
		4581179.89	317987.78	4899167.67

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Flexible Video Naso PharyngoLaryngo Scope Compatible with Stroboscope							
Labour	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comprehensive	70,181.00	70,181.00	70,181.00	70,181.00	70,181.00	70,181.00	70,181.00

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% 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 :Flexible Video Naso PharyngoLaryngo Scope Compatible with Stroboscope

The system should have the following technical specification —The endoscopy system (both processor & scope) must be suitable to produce High Definition, High Magnification Images with Chromo Endoscopy (SPIES/ FICE/ NBI/ I SCAN) facility.

A. High Definition Video Processor and Light Source - 1 Nos

1. System should be on high definition platform of resolution 1920 x 1080 P
2. Should be fully compatible to the color systems PAL & NTSC
3. Should have USB/SD card interface/equivalent facility for image recording
4. HD Video recording should be available internally or via external methods
5. Processor should have the facility of Digital Image Processing
6. Should have the facility for image magnification, image enhancement & zoom function.
7. Should possess automatic/one touch white balance for true color setting
8. Should have automatic as well as manual illumination and color adjustments
9. Should have at least 1 DVI output option.
10. The Video signal output should be RGB, Y/C, composite, HD-SDI/ DVI, S-video compatible.
11. Power supply of 220-240 volts and 50 hz

12. Should possess LED light source which is equivalent to 150 watt xenon in brightness and colour temperature and also having a life of minimum 15,000 hrs or more.

13. Should have Illuminated control panel with controls for light.

14. Function of automatic switch off when unit has been used for an extended period of time.

B. VIDEO Nasopharyngoscope by OEM —should have

1. High definition(1920*1080) true color full screen video images

2. Enhanced control unit

3. Field of view of 80 degree or more

4. Depth of field

i. Minimum 3-5 mm

ii. Maximum 50mm

5. Up down movement range of 130/130 degree

6. Distal end diameter less than 4.5 mm

7. Insertion tube diameter should be less than 4.0mm

8. Working length at least 300 to 350mm

9. It should be waterproof and fully immersible for cleaning and disinfection.

10. It should be compatible with all sterilization conforming to infection control guidelines worldwide.

11. Should be compatible with stroboscope.

12. Should be chip on tip scope

C. Strobe Light by OEM -1no

1. Should have anti-blinking circuit without black outs

2. Should have adjustable duty cycle, choice between more resolution or more brightness depending on application

3. LED lamp preferred for strobe as well as constant illumination.

4. Foot-pedal control of key functions during endoscopic procedures

5. Input for frequency detection should be using throat microphone .EGG machine to be provided (counted in L1)

6. Should be compatible with flexible as well as rigid endoscope (Light weight cable with adaptor compatible with other OEMs)

7. Should have default Strobe Rate of 60 Hz/50 Hz (selectable)

8. Should have two operating Modes: Normal (1.5 Hz) or Slow (0.5 Hz)

D. High-Definition LCD /LED Medical Grade Monitor by OEM — 1 no.

1. 26/24 inch full HD (1920*1080) LCD panel with backlit LED by OEM with a 16:9 aspect ratio and high contrast and wide viewing angle

2. The system should have PIP/POP functionality to display the images and videos in parallel mode or equivalent.
3. Should be able to adjust image size by using various scanning modes, synchronizing full height and full screen functionality
4. Should have Multiple HD and SD inputs

E. Other requirements (counted for L1)

1. Compact multi-rack trolley with wheel lock system manufactured by the OEM Company — It should be possible to hold all the above instruments) It should have at least 6 power sockets (16/6amps combination socket) to connect the processor, monitor etc. The power sockets should be universal type accepting Indian/European/US model plugs
2. UPS as needed for the equipment with minimum 30 minutes backup.
3. Sterilization tray - 1 no with 1 scope along with 2 instruments and its accessories, to be able to use for commonly used chemical means of sterilization).

F. Suitable endoscopy reporting software with hardware and color printer for each unit with following features.(counted for L1)

1. Workstation system for imaging and documentation system — 1 nos
 - i. Intel i 7 latest version processor with 16 GB RAM and 4 GB graphics card ,SAS Storage system with 4 TB Capacity Windows 10 Operating system with 64-bit architecture 17 inch full HD (1920*1080) LCD panel with backlit LED

G. Software requirements.

1. Report generator containing patient details, images and key exam findings
2. Standard video formats for portability of exam segments
3. Patient database (SQL) and exam management system
4. Playback of Two Exams Side by Side
5. Sharp, clear 1080i HD format image
6. Exam Videos to be saved in industry-standard H.264 format for efficient storage and portability.
7. Full screen image
8. Playback features like frame-by-frame viewing, slow-motion viewing, magnification and video tagging
9. Analysis of Fundamental frequency, Jitter, Intensity value, Shimmer, Noise to Harmonic ratio, Voice turbulence index, Soft phonation index, Nasal resonance, Oral Resonance along with visual feedback in stroboscopic examinations.
10. Specialized assessment forms esp. in stroboscopic examination
11. Customized reporting conforming to institutional needs
12. Should be supplied with Ink-tank printer for generation of reports
13. The system should have DVD/CD writer along with USB download facility
14. Reporting software should be compatible with all types of endoscopies pertaining to head and neck region
15. The system should be supplied with the compatible UPS for power backup for minimum 30 mins.
16. A suitable table from a reputed manufacturer for accommodating work station (counted for L1)

H. The scope should be compatible with the processor, light source and strobe light supplied.

I. The equipment should be brand new and not refurbished.

J. Capital items should be from same OEM and the accessories and peripheries should work in sync and be compatible with the supplied items.

L. System should have safety CE certificate issued by a notified body registered in European commission and FDA (US) certificate