

Running Contract Details	
Equipment Name	Inverted Microscope for Cell Imaging with Digital Camera and Computer
Running Contract Valid Till	04-03-2021
Tender Ref No	KMSCL/EP/T291/1268/2018
Tendered Quantity	17
Supplier Name	M/s Bions Medical Systems Pvt Ltd
GST No	32AACCB4877B1Z1
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	
28/3085 D â€œRohiniâ€• Tagore Nagar Ponneth Temple Road Kadavanthra Kochi-682020.	Contact Person	Jitto John
	Phone	
	Mobile No	9567860501
	Email	bions@vsnl.net

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Inverted Microscope for Cell Imaging with Digital Camera and Computer <i>Model & Make : DMIL LED with DMC 2900 Camera / Leica Mikrosysteme Vertrieb GmbH</i>	1524749.98 Incl.GST :18%	106732.5	1631482.48
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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
Inverted Microscope for Cell Imaging with Digital Camera and Computer							
Labour	45,226.00	47,487.00	49,861.00	52,354.00	54,972.00	57,721.00	60,607.00
Comprehens ive	90,451.00	94,974.00	99,723.00	1,04,709.00	1,09,944.00	1,15,441.00	1,21,213.00

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 :Inverted Microscope for Cell Imaging with Digital Camera and Computer

1. A fixed stage on 3-point support.
2. Coaxial double knob for coarse and fine focus on both sides.
3. A fourfold revolving nosepiece with 25 x 0.75 objective thread.
4. Build in fluorescence illumination axis with manual shutter.
5. Fluorescence slider/ turret with 3 positions for filter blocks
6. Fluorescence port for exchangeable lamp houses.
7. Infinity optics with tube lens 1 x
8. Interface for exchangeable observation tube and phototubes.
9. Condenser holder stepless adjustable, including collector, aperture diaphragm and filter holder.
10. ON/OFF switch
11. IMC/DIC- Interface.
12. Power supply for TL LED illumination, including mains cable.
13. Fluor protection shield.
14. LED fluorescence lamp
15. Power supply 90- 250 V.
16. Blue excitation, excitation filter: BP 450/490, dichromatic mirror: 510, suppression filter: LP 515.
17. Green excitation, excitation filter: BP 515- 560, dichromatic mirror: 580, suppression filter: LP 590.
18. Condenser S80/0.30 with a free working distance of 80 mm and a numerical aperture of 0.3. Designed for bright field, phase contrast and Integrated Modulation Contrast (IMC).
19. Slider for phase contrast with 4 positions, 1x bright field and 3x light rings for condenser S80/0.30.
20. The object guide with an adjustment range (xy) of 128x83 mm accepts all the different inserts from a current range. A special clamping device at the surface of the object guide ensures a precise fixing of each part of the range of holders. The ergonomic, low-

lying coaxial control drive is extremely accurate and sensitive. Object guide can be easily adapted to the left or right of any of the fixed work stages (also heating stages).

21. Universal holding frame M, suitable for fixed stages of inverted microscopes with object guide. For petri dishes with diameter 24 mm up to 68 mm and lids with a length up to 120mm.
22. Plan objective 4X(5x)/0.10
23. Free working distance: 18.0 mm for use with and without cover glass.
24. Plan objective 20x/0.40 PH1
25. Free working distance: 0.39 mm.
26. For use with a 0.17 mm cover glass (DIN/ISO).
27. Suitable for phase contrast.
28. Useful for Integrated Modulation Contrast (IMC)/DIC
29. Objective N PLAN L 40x/0.55 CORR PH2, free working distance: 3.3- 1.9 mm, For use with cover glass of 0-2 mm, Suitable for phase contrast.
30. Plan objective 10X/0.25 PH1
31. Free working distance: 12.0 mm for use with and without cover glass suitable for phase contrast.
32. Trinocular tube with vertical photo TV port positioned 88 mm to the side of the tube with suitable light path 100% vis/100% photo-TV with 45° viewing angle.
33. Eyepiece HC PLAN 10x/20 BR.
34. Eyepiece HC PLAN 10X/20 BR.M
35. Dust cover without camera attachment.
36. Digital microscope camera with software
 - a) Digital color camera with CMOS sensor (1/2").
 - b) Image format 2048 x 1536 pixel, 3.1 Mpixels.
 - c) Fast live image XGA 1024 x 768 with 30 fps.
 - d) Pixel size 3.2 µm x 3.2 µm.
 - e) Dynamic range 55 dB/ 600:1.
 - f) Optimized image processing in HW (CIE- Lab).
 - g) Fast USB- 3 connection, single cable with screw lock.
 - h) Complete camera kit including software for camera control, USB- 3 cable 2.5 m, PCI- express card with 2 USB- 3 connections.
 - i) Supported operating systems licensed windows 10
 - j) Recommended C-mount adaptor 0.5 x.
 - k) PC with suitable table, i5 processor 64 bit 8GB Ram 1TB HDD, 1GB Graphics Card

37. C -mount adaptor suitable for camera

38. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S 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.

39. Suitable UPS for the PC and microscope with 1hr back up and battery cart