



Running Contract Details	
Equipment Name	Research Microscope
Running Contract Valid Till	20-01-2025
Tender Ref No	KMSCL/EP/T473/1359B1/2022
Tendered Quantity	3
Supplier Name	M/s DSS Imatech Pvt Ltd
GST No	07AAACD4318FIZ2
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	
A-5 MOHAN COOPERATIVE INDUSTRIAL ESTATE MATHURA ROAD-110044	Contact Person	MANOJ KUMAR T M
	Phone	91-1 1-30886715
	Mobile No	9895085195
	Email	manoj@dssimage.com, enquiry@dssimage.com, sales@dssimage.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Research Microscope <i>Model & Make : BX53 /Evident Scientific</i>	1859871.16 Incl.GST :18%	130190.98	1990062.14
		1859871.16	130190.98	1990062.14

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
Research Microscope							
Labour	30,000.00	31,500.00	33,000.00	34,700.00	35,000.00	38,000.00	40,000.00
Comprehensive	68,000.00	71,500.00	75,650.00	78,650.00	78,650.00	82,000.00	85,000.00

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 :Research Microscope

1. Microscope frame, LED illumination equivalent or better than 12V 100 Watts halogen, Koheler illumination system, Coarse & Fine focusing knobs with lock for upper limit movement & Course & fine torque adjustment knob, built in LED light for light intensity display, preset button switch, with gradation filter and built-in filter holders for three filters (in case of halogen lamp is provided) with push buttons, including hexagonal driver corresponded to RoHS and WEEE regulations
2. HIGH INTENSITY AND HIGH COLOR RENDDERING LED LAMP HOUSING much brighter than 100W HAL. Color reproduction of a 100-watt halogen lamp. Low-maintenance LED illuminator with life of 50,000 Hrs or more. The high luminosity LED can be used to configure a multi-head discussion system for up to 26 people.
3. Color correction filter need to be provided in case of halogen lamp is provided
4. Sevenfold revolving nosepiece with a slot for analyzer or DICslider
5. Trinoculartube, F.N. 22, Three position prism for selection of light path for 100% observation, 20% - 80% Camera Port - observation, 100% Camera Port.
6. Wide field eyepiece 10X, FOV - 2 Nos, one focusable.
7. Ceramic surface mechanical stage with right-hand low drive control (long type) , provision for adjusting the X- and Y-Axis movement knob tension. Stage can be rotated upto 230°.
8. Specimen holder for stage, for two specimens.
9. Swing-out condenser N.A. 0.9-0.16, applicable for 1.25X to 100X magnification.
10. Simple polarizer with accessories.
100watts Fluorescence attachment
11. Universal reflected light illuminator with field stop, aperture stop andminimum 8-position mirror unit cassette,including UV protective shield.
12. Neutral density filter ND6 and 25
13. UF filter- Mirror Unit for fluorescence microscopy, wide band UV excitation, exciter filter BP340-390, dichroic beam splitter DM410, barrier filter BA420-IF
14. Blue excitation: Mirror unit for fluorescence microscopy, narrow band Blue excitation (with bandpass barrier), with exciter filter BP460-495, dichroic beam splitter DM505 and barrier filter BA510-550
15. Green excitation: Mirror unit for fluorescence microscopy, wide band green excitation (with bandpass barrier), with exciter filter

BP530-550, dichroic beam splitter DM570 and barrier filter BA575-625

Infinity corrected Objectives:

16. Plan achromat objective/suitable objective for fluorescence 4X/0.1, WD 18.5 ,
17. Plan Semi Apochromat objective/ suitable objective for fluorescence 10X/0.3, WD 10 ,
18. Plan semi apochromat objective/ suitable objective for fluorescence 20X/0.5, WD 2.1 (spring)
19. Plan semi apochromat objective/ suitable objective for fluorescence 40X/0.75, WD 0.51 (spring)
20. Plan semi apochromat objective/ suitable objective for fluorescence 60X or 63X/1.25-0.65, WD 0.12 (spring, iris, oil)
21. Plan Semi Apochromat objective/ suitable objective for fluorescence 100X/1.3, WD 0.2 (spring, oil)

(All objectives should be Fluorite / Semi-apochromat except 4x)

Camera and Software:

22. 8.9MP color digital camera, 4K resolution at 32 frames per second (fps), 64 fps (full HD) .should provide up to 64 fps full HD live images, Sensor 1-inch color Color CMOS, Pixel size 3.45 $\mu\text{m} \times 3.45 \mu\text{m}$, Dynamic range 10 bit, Dedicated ICC profiles to show samples in their natural colors* suppresses noise while maintaining fast frame rates and eliminating artifacts, High Contrast mode enables easier image acquisition with a high signal-to-noise ratio, Fast Live function provides a consistently high displayed frame rate during long-exposure imaging, Focus Peaking function* to identify which sample regions are currently in focus, share images using imaging software with the NetCam solution or using the optional standalone controller's image sharing function,

23. C-mount camera attachment with 0.63X lens

24. Software for image capturing, user experience customization, overlay multiple images, document groups for side by side image comparison, movie playback, Tile image, snap /movie acquisition, time-lapse at specific intervals, Multiple image alignment, Live deburring, Image processing, Image analysis, automatically compose word report

25. Suitable i7 processor computer system with all standard accessories for running the above configuration of Microscope with camera. The system should have minimum – 8 GB RAM, 1 GB Graphic Card, 1 TB HDD, Original Windows 10 or higher OS, LED monitor 27 inches or more.

Note: Microscope, camera and software should be from same manufacturer for better synchronization.