



## PROCUREMENT CELL

# BIHAR ANIMAL SCIENCES UNIVERSITY

Bihar Veterinary College Campus, Patna - 800 014, Bihar


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N. No.: 1310/CPC/BASU, Patna

Dated: 31/01/2020

## Corrigendum Notice

With reference to Tender Notice No.: 25/CPC/BASU/2019-20, dated: 29/01/2020 & L. No. 1306/CPC/BASU, Patna, dated: 29/01/2020 regarding participation in Limited Tender Enquiry for supply and installation of **Inverted Microscope (n=02)** to Bihar Veterinary College, BASU, Patna. There are some typing error in technical specifications on **point no. 3, 10 & 16** of above equipment. The corrected technical specifications along with Technical Compliance is attached herewith and you are requested to follow these specifications for participation in said tender. Detailed may be viewed on Bihar Animal Sciences University, Patna website (<https://www.basu.org.in>).

  
31/01/2020

Procurement Officer

Bihar Animal Sciences University, Patna

## **Technical Specifications of INVERTED MICROSCOPE (n = 02)**

1. Microscope: Inverted Microscope stand with camera port having minimum  $\geq 3$  watt LED Illumination or more. Microscope should be compatible to upgrade for Fluorescence attachment.
2. Should have 10x eyepiece with FN 22 or better
3. **Objectives: Long working distance objective 4x, 10x PH, 20x PH, 40x PH and 100x oil.**
4. It should have Achromat objectives.
5. Should have Antifungal treated optics.
6. The Microscope must have intensity regulator to adjust light intensity and should be suitable for bright field and phase contrast.
7. It should have Long working distance condenser 67-75mm or better.
8. XY stage with Universal holding frame for petri dish, micro plate, tissue culture flask.
9. Microscope and camera should be from the same manufacturer.
10. **It should have European CE, USFDA, Research /laboratory safety/ Low voltage/ RoHS directive certificate must be provided.**
11. Technical features described above should be supported with original illustrated catalogue with list of users (complete contact details in India).
12. Three years' onsite warranty of the equipment.
13. Camera: Digital scientific camera system of CMOS/ CCD. Suitable for Fluorescence imaging and should have high % QE.
14. High Resolution, 5 - 8 megapixel or above, Image sensor for CMOS: 6 mm x 4 mm or better / or CCD: 2/3".
15. Should have 25-30 frame per second live display at 1k resolution.
16. **Should have 12-14 bit depth of each RGB, pixel size 2.4 micrometer x 2.4 micrometer or more.**
17. Live cell imaging, image preview, display, save the data on computer platform /hard disk. (No Memory card slot based camera).
18. Live USB 3.0 PC Interface for PC connectivity (No Memory card slot).
19. Camera should be capable to capture BF, PH, Fluorescence images.
20. Licensed imaging software for measurement, live display, video recording, annotation, fluorescence/ channel merging, intensity profile, etc.
21. Microscope objectives, Camera and licensed software should be from same manufacture. Microscope should be international laboratory quality standard.
22. Data Processing Unit:
  - Branded PC with i7 processor, 8-16 GB RAM or above, 1 TB or above HDD, 18-22" HD Screen, Windows 10 Professional OS.
  - MS Office Standard, Quick Heal Total Security with 2 years license.
  - Computer system with 3 years onsite warranty.
  - 1.0 KVA offline UPS with 30 minimum backups.
23. Installation, testing, validation, demonstration/technical presentation should be conducted free of cost.
24. Original illustrated Catalogue in support of technical specification should be provided.
25. User list for the quoted model along with contact details including telephone no. and e- mail should be provided.

## Technical Compliance of the Bidder with reference to the ‘Specification of Equipment’s’

(Separate form to be used for each item offered)

Name of the Bidder/Tenderer:

Tender No.:

Name and Model No. of offered goods/equipment:

Make:

Sl. No.	Technical specification From Bihar Animal Sciences University	Features available in equipment Yes or No	Any deviation from Specification, if any	Corresponding part number/ datasheet/ page no. in broacher in support of specification
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21.	Microscope objectives, Camera and licensed software should be from same manufacture. Microscope should be international laboratory quality standard.			
22.	Data Processing Unit: <ul style="list-style-type: none"> <li>• Branded PC with i7 processor, 8-16 GB RAM or above, 1 TB or above HDD, 18-22" HD Screen, Windows 10 Professional OS.</li> <li>• MS Office Standard, Quick Heal Total Security with 2 years license.</li> </ul>			

	<ul style="list-style-type: none"> <li>• Computer system with 3 years onsite warranty.</li> <li>• 1.0 KVA offline UPS with 30 minimum backups.</li> </ul>			
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25.	User list for the quoted model along with contact details including telephone no. and e- mail should be provided.			

Seal & Signature of Bidder