



Date: - 22nd July, 2020

Corrigendum
for
Tender
for
Fluorescence Microscope for the Research Project

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|----------------------------------|--|
| NIT Issue Date | : 16 th June, 2020 |
| NIT No. | : Admn/Tender/46-4/2019-AIIMS.JDH |
| Pre-Bid Meeting | : 25 th June, 2020 at 03:00 PM |
| Earlier Last Date of Submission | : 23 rd July, 2020 at 03:00 PM |
| Extended Last Date of Submission | : 03 rd August, 2020 at 03:00 PM |
| Bid opening | : 04 th August, 2020 at 03:15 P.M |

The following revised and additional specification will be added: -

- 1. On page 10, Para 1**
For
Optical system- Infinity corrected system
Read as
High quality optics with latest Infinity Colour Corrected System for high Brightness, High contrast and color correction. All optics coated with anti-reflection / anti-fungal treatment.
- 2. On page 10, Para No. 3**
For
Illuminator - Long life transmitted LED illumination having long life more than 40,000 hrs Light intensity LED indicator.
Read as
Illumination - LED Illumination or 12 Volt 100-Watt Halogen. Supply 5 Halogen bulbs additionally.
- 3. On page 10, Para No. 5**
For
Objectives –
Plan Achromat 2/2.5X, 4X
Plan Fluorite 10X, 20X 40X, 60X& Plan Apo 100XO N.A 1.3/1.40 with correction collar.
Read as
Objectives –
Plan Achromat 4X/5X, Plan Achromat 10X/0.40, Plan Apochromat 60x or 63x/1.35 to 1.4 (oil, spring) & Plan Apochromat 100X Oil with N.A. 1.40 or better (spring loaded).

4. On page 10, Para No. 6

For

Observation tube –

- Wide field Trinocular head with Field No. 22mm. with three ways light path selection with possibility of 100% light to Eye and Camera.

Read as

Observation Tube –

Wide Field Trinocular observation tube with three-way light path selection (100:0/80:20/0:100) for simultaneous observation and imaging having FOV 22mm or higher.

5. On page 10, Para No. 7,

For

Stage – Anodized coaxial stage with right hand low drive Control.

Read as

Mechanical Stage – Ceramic coted right-handed mechanical stage with two slide holders.

6. On page 10, Para No. 8,

For

Condenser - Swing out condenser (applicable for all objectives)

Read as

Condenser – Swing-out condenser for observation 2x to 100x.

7. On page 10, Para No. 9

For

Fluorescence Attachment

- Filters should be DAPI/Hoechst, FITC/GFP, TRITC/Rhodamine, Cy5, Cy3 & Texas Red dyes.
- Microscope should have 5/6/8 position filter turret along with Fluorescence Bandpass filters for DAPI, GFP/FITC, TRITC/Rhodamine.
- 120-130 W mercury or metal halide based fluorescence illuminator with minimum lifespan of 2000 hrs or solid-state LED illuminance having long life more than 40,000hrs.

Read as

Fluorescence Attachment – 8-10 or better fluorescence turret mount for mounting different filter cubes.

8. On page 11, Para No. 13

For

Eyepiece – 10 x

Read as

Eyepiece – Paired wide field 10X eyepieces with minimum field of view about 22 or higher, focusable and adjustable dioptr setting.

9. On page 11, Para No. 16

For

Training and Demonstration - Training of students / staff/ faculty in equipment maintenance by the certified company engineer and the specifications quoted should be demonstrated on site at the time of installation.

Installation, commissioning, training etc. free of cost. One additional training session to be done during the three years of warranty period. This training session is in addition to the first training done after installation.

The training must demonstrate all the techniques mentioned in the specification or additional if applicable.

Read as

Training and Demonstration - Training of student /staff/ faculty in equipment maintenance by the certified company engineer and the specifications quoted should be demonstrated on site at the time of installation.

Supplier should bring their own camera and software for demo purpose.

Installation, commissioning, training etc. free of cost. One additional training session to be done during the three years of warranty period. This training session is in addition to the first training done after installation.

The training must demonstrate all the techniques mentioned in the specification or additional if applicable.

10. On page 11, Add Para 19

Microscope Stand – Motorized Z- Focus drive with minimum step resolution of 10-15 nm with TFT touched screen. Motorized 6-position Nosepiece or higher.

11. On page 11, Add Para 20

Fluorescence Illumination - High Intensity 130Watt Mercury or 120 Watt Metal Halide illumination with at least 2000 hours life span.

12. On page 11, Add Para 21

FISH Filters - Band pass individual FISH filters for DAPI, FITC, TRITC; Dual Band for FITC & TRITC. The system should accommodate all these filters simultaneously.

13. On page 11, Add Para 22

The Quoted Microscope System should be CE Certified & On site Upgradable to step-wise motorization (like motorized 6-positions or more universal condenser, motorized 6-positions or higher fluorescence turret, motorized stage, etc) and DIC.

14. On page 10, Para 2

For

Focus - Vertical Stage movement up to 25mm or more per coarse stroke

- Vertical stage movement 1micron per fine stroke
- Stage rotation of 240 degrees

Read as

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15. On page 10, Para 4

For

Revolving nosepiece - Nosepiece: 6x revolving nosepiece (capable of accommodating up to 6 objectives) mounted on ball bearing with highly precise click stops and should have slots for upgradation for DIC.

Read as

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16. On page 10, Para 10

For

Camera:

Peltier cooled (-20 below ambient) CCD/CMOS camera having dual mode Mono & Colour with true 5 MP or more resolution. Exposure time - 1 msec –600 second or better, Pixel size of approx.3.4µm x3.4µm.

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17. On page 10, Para 11

For

Imaging System - Image analysis Software for counting & Measurements, Time lapse, Z stack, Multichannel Fluorescence Capture, it should be capable of Controlling the camera and Microscope.

- i. Processor: 3.2GHz 6M (with i5 processor) and 8 GB RAM,
- ii. Memory: 1TB or more HDD
- iii. 1GB Graphic card
- iv. 4 USB Ports and an Inbuilt Removable disc drive: DVD RW Drive
- v. Interface of PC: at least 24 inch TFT Monitor with Keyboard and Mouse
- vi. Operating System: Window 10 Professional (64 bit)
- vii. 1KVA online UPS should be provided.

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18. On page 11, Para 12

For

Application - Light and Fluorescence Microscopy of Cell and tissue section.

Read as

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