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| Published Corrigendum Details | | Published Corrigendum Details | | | |
|  | | Date : 23-Dec-2019 07:59 PM Print | | | |
| Organisation Chain : | Council of Scientific and Industrial Research CCMB-Hyderabad - CSIR Purchase-CCMB - CSIR | | | | |
| Tender ID : | 2019_CSIR_37591_1 | | | | |
| Tender Ref No : | 3054/251019/1741/EQPT | | | | |
| Tender Title : | Supply of Research Grade Upright Microscope for DIC and Fluorescence Applications | | | | |
| Corrigendum Type : | Technical Bid | | | | |
| Corrigendum Document Details | | | | | |
| Corr.No. | Corrigendum Title | Corrigendum Description | Published Date | Document Name | Doc Size (in KB) |
| 1 | Corrigendum on Amendment to Technical Specifications and Requirements | Research Grade Upright Microscope for DIC and Fluorescence Applications Corrigendum on Amendment to Technical Specifications and requirements of Chapter 4 of Original tender document on the subject | 23-Dec-2019 07:59 PM | 3054AmendmetOfSpecificationsOfResearchGradeUprighMicroscopeafterPBCon19.12.19.pdf | 162.86 |



सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र
CSIR-CENTRE FOR CELLULAR & MOLECULAR BIOLOGY
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
उप्पल रोड, हैदराबाद/Uppal Road, Hyderabad – 500 007
(तेलंगाना/TELANGANA) भारत/India

Tender ID No. 2019_CSIR_37591_1

CCMB Ref. No. 3054/251019/1741/EQPT

Date: 23.12.2019

Sub.- Amendment to original Tendered Technical Specifications for procurement of “Research grade upright Microscope for DIC and Fluorescence applications with digital Imaging” – reg.

With reference to Pre-Bid Conference (PBC) held on 19.12.2019 to finalise the tendered specifications, all bidders are requested to take a NOTE of the CHANGES in the tendered specifications at REVISED CHAPTER- 4 placed below. Accordingly, tendered specifications of “Research grade upright Microscope for DIC and Fluorescence applications with digital Imaging” mentioned under CHAPTER- 4 in the original Tender Document gets completely substituted by REVISED CHAPTER- 4 placed below (Page 2-4) and bidders in their own interest are advised to carefully go through changes before submitting their e-bid.

There is no change in other Terms and Conditions of the original Tender Document.

Bidders are advised to submit their e-bids as per original schedule given in the Tender Document on the subject which is also reproduced below for information-

| | |
|----------------------------------|-------------------------------|
| BID submission Start Date & Time | 24.12.2019 (17.00 Hrs onward) |
| BID submission End Date & Time | 08.01.2020 (upto 14.00 Hrs) |
| Date & Time for opening of Bids | 09.01.2020 (upto 14.30 Hrs) |

Note: Prescribed BID SECURITY /EMD in original giving CCMB Tender Reference and CPPP Tender ID Reference must reach this office on or before BID Submission End Date & Time i.e. 08.01.2020 (upto 14.00 Hrs) at the address given in Tendered Document, as also reproduced below: –

“Stores & Purchase Officer, CCMB, Habsiguda, Uppal Road, Hyderabad-500007,India”.

Sd/-
(Dharmendra Kumar)
Stores & Purchase Officer

Specifications for Research grade upright Microscope for DIC and Fluorescence applications with digital Imaging:

1. Mechanically rugged and sturdy trinocular Upright Microscope for Bright field, Phase, DIC and Fluorescence applications
2. 3-step light path switching: - Binocular: Camera—100:0, 30:70/80:20/50:50, 0:100
3. The system should have camera port with a splitter (100:0) for diverting light to either mono chrome camera or Color camera.
4. The microscope should have the necessary components or accessories required for Bright field, phase, DIC and fluorescence applications.
5. Coarse and fine focus mechanism
6. Sextuple revolving Objective nose piece with individual DIC prism slots/ Turret for each objective.
7. Bright LED based transmitted Illumination with approx. 10,000 hrs life time or better for bright filed, Phase and DIC applications with linear intensity control.
8. Spare LED lamp module- 1no
9. Lamp switch/knob reflected light/ transmitted light on microscope body.
10. Field diaphragm and ND filters for transmitted light.
11. Binocular tube with interpupillary distance adjustment and Eye pieces 10x/22 Adjustable
12. Intermediate magnification changer 1.5x or more
13. Objectives for Bright filed, DIC and Fluorescence applications:
 - A). Plan fluor 4x or 5x/0.13 or more
 - B). Plan Apochromat 10x/0.40 or more
 - C). Plan Apochromat 20x/0.75 or more
 - D) Plan Apochromat 40x/0.95
 - F) Plan Apochromat 60/63x oil /1.4
 - G) Plan Apochromat 100x oil 1.4
14. Complete DIC setup for all above objectives (except 5x) like DIC polariser, analyser and individual DIC prisms in the objective nose piece for each objective.
15. Manual right hand control X, Y stage with single slide holding mechanism.
16. Universal condenser NA 0.88 or more with 6 positions or more for bright field, Dark field DIC and phase contrast applications. Top lens for lower magnifications.

17. HBO 100w Mercury lamp module for fluorescence applications with lamp holder, power supply etc.
18. Fluorescence filters for DAPI, GFP (narrow band), CY3, m-cherry, Cy5
19. Apochromatically corrected fluorescence beam path
20. 6 position or more fluorescence filter turret
21. Field and aperture diaphragms, shutter for fluorescence.
22. Necessary tools for calibration of the system like stage micrometre, eye piece graticule, test slide for fluorescence and bright field imaging.
23. Back illuminated Scientific CMOS camera with QE 95%, dynamic range 25000:1, 2Kx2K resolution with a pixel size of less than 6.45micron, cooling: -20 Deg C or more below ambient temperature.
24. 2/3 inch or 1/2-inch or 6.91 x4.92 mm colour CMOS camera for bright filed imaging 5 mega pixel or more, 2.2 micron or more pixel size, 15 FPS @ full resolutions, USB 3.0.
25. Both cameras should be controlled by the same software for all applications.
26. Windows based software for image acquisition like multichannel imaging, bright filed and fluorescent image merging, automatic and manual exposure time adjustment, White balance, ROI, scale bar, measurements like length, area, annotations, live imaging mode with high frame rates and acquisition mode with high resolution, export of images to Tiff/JPEG format, brightness, gamma and contrast adjustment, different exposure times etc.
27. Latest high end branded system (Dell/HP) with latest Microprocessor, 8 GB DDR 3 RAM, 27" IPS LED Digital Monitor, DVD R/RW, 2TB HDD, Graphics Card with 1 GB RAM, Gigabyte Ethernet, Key board, Optical mouse etc... The computer should carry three years onsite comprehensive warranty.

Terms and conditions:

- System and accessories should work with 220v @50 HZ.
- Cost should include on site comprehensive warranty for 3 years on the complete system.
- The service, maintenance and spares parts support should be given for a period of 10 years from the date of installation, the response time for attending a call should be within 24 hours by factory trained service engineer based in Hyderabad. A letter of commitment should be given in this regard from principals head office.
- The principals/local agents are responsible for the complete installation, testing and integration of the system.
- Application training should be provided for the users in CCMB for three days.
- Tools necessary for system calibration like bright filed test slides for bright filed, phase contrast applications, molecular probes test slides for Fluorescence applications should be supplied along with the system.
- Latest software upgrades should be provided free of cost for 3 years.
- A Demo of the offered system should be arranged, if required.
- Original literature with complete specifications should be given.
- Publications, users list and references should be provided.
- Criteria for selection of the system would be based on the response to all the above points, suitability and requirements of various research projects of CCMB.

NOTE: Bidders may also note that in case of any discrepancy pertaining to requirement of Training, Warranty and tendered Technical Specifications mentioned in any other part of Tender Document on the subject, requirement on Training, Warranty and Technical Specifications specifically indicated in this REVISED CHAPTER - 4 shall prevail.