



DEPARTMENT OF BIOTECHNOLOGY
Indian Institute of Technology, Madras, Chennai, 600 036.

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Professor :GUHA

Date: 23.01.2019

Ref: BT/GUHA/2018/040/SPL

Dt. 23.01.19

Due Dt. 12.02.19

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes leviable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

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Date :23/01/2019 Due date :12/02/2019

Specifications for Inverted Phase Contrast and Fluorescent Microscope

- Fluorescent inverted microscope with Phase contrast technique for research applications.
- Rigid and vibrations free frame
- Coaxial fine/coarse focusing knobs in ergonomic design
- Transmitted light application and infinity corrected optics suitable for fluorescent and modulation contrast application; to be connected to computer for on-line image visualization on screen, capture of images, storage, analysis, etc.
- Plain stage with mechanical attachment for X-Y movement and provision to view and move slides, tissue culture flasks, TC petri dishes, 24 and 96 well plates with X-Y adjustments, if necessary, with extra attachments
- 100 W Halogen or LED or better transmitted light illumination 10X eye piece with Diopter adjustment
- Long free working distance condenser with 6 or more positions
- All objectives should be Parafocal.
- Epifluorescent attachment with high illumination and longlife lamps having a lifetime of about 1500 hours or above and should be capable of imaging weak fluorescence. Maximum Six Filter turret assembly with Noise Terminator is required. Should have high quality fluorescent filter sets for DAPI, GFP/ FITC, mcherry, and PI/TRITC.
- High quality long working distance Achromatic Phase contrast objectives of 10x, 20x, 40x with high NA. Additional 60x Oil for fluorescence imaging is to be quoted as Optional.
- Microscope, Camera and Image Analysis software should be quoted from single manufacturer, which is useful for better service support and also components synchronization.
- Software should be able to drive live cell imaging, time lapse multi-channel capturing, and image overlapping, Automatic measurement along with all basic image analyses option.
- Camera - CMOS color with 5 mega pixels or above is preferred. The pixel size should be around 2.3 micron and above.
- Manufacturer should have the products being CE Marked.
- Supplied to reputed institute, organisation and industries

- Should have journal publication references
- Should have servicing facility at Chennai
- Two-bid system: separate technical and financial bids

***** END OF STATEMENT*****