

Tender Notification for the procurement of a “Live Imaging System” at the Indian Institute of Science, Bangalore

(Last Date for submission of tenders: January 25th, 2017)

Ref: MRDG/AR/0074-E/16-17

Dear Sir/ Madam,

Kindly send your best price quotation for the following items with specifications under mentioned as CIP Bangalore basis to the undersigned. Your quotation should clearly indicate the terms and conditions of the quotations, delivery, delivery schedule, entry tax, payment terms, warranty coverage etc. The tender should be submitted in two separate sealed envelopes – one containing the technical bid and other containing the commercial bid, both of which should reach the undersigned, duly signed on or before 1700 hours 25th January, 2017. The technical bid must include details of technical specifications of the equipment along with commercial terms and conditions; however, the price components should NOT be shown.

The commercial bid must include the price of the item indicating the breakup of the following:

- (i) The price of the goods quoted on FA (named place of delivery abroad) or FOB (names port of shipment).
- (ii) The charges for insurance and transportation of the goods by Air upto Bangalore.
- (iii) The agency commission charges, if any.
- (iv) The installation, commissioning and training charges including any incidental services, if any.

Please enclose a compliance certificate along with technical bid.

Detailed specifications:

1. Automated imaging system capable of capturing images from within a standard tissue culture incubator so that precise control of temperature, humidity and other environmental factors such as CO₂ and oxygen can be maintained.
2. The system must be capable of simultaneously imaging a mixture of assay plates that include 384-well microplates, 96-well microplates, 48-well plates, 24-well plates, 12-well plates, and 6-well plates, 92.6 cm² Roboflask, 500 cm² Tripleflask, 84 cm² Autoflask, 225 cm² flasks, 185 cm² flasks, 182 cm² flasks, 175 cm² flasks, 162 cm² flasks, 150 cm² flasks, 75 cm² flasks, 25 cm² flasks, 35mm dishes, 60 mm dishes, 100mm dishes, 150mm dishes, chambered slides and microslides.
3. The system must be fully automated, hands-free operation for periods exceeding 7 days and must be designed to autofocus and auto expose without intervention

during this time period. The automated imaging system must return to the same location in a repeated fashion without error over this same time period.

4. The software should be capable of generating label free, time based, growth curves for cells; generate mask, quantify and generate time based curves based on fluorescence metrics including Fluorescent Count, Fluorescent Average Area, Fluorescent Total Area, Fluorescent Mean Intensity, Fluorescent Average Integrated Intensity, and Fluorescent Eccentricity.
5. Control of the system should be distributed over a network and the client software must be able to elicit control of the automated imaging system from any networked computer. Unlimited licensees of the client software must be available. The client software must not operate using a client computer license key or dongle.
6. The system must have high definition phase contrast optics and two fluorescent wavelengths (red: ex565-605nm, em625-705nm; green: ex440-480nm, em504-544nm). The fluorescence optics must be capable of reading YoPro-3, mKate2, GFP, YFP, Alexa 488, intercalating DNA dyes, fluorescein or fluorescein derivatives.
7. The system must have the following user-changeable objectives: 4x PLAN APO, 10x PLAN FLUOR, and 20x PLAN FLUOR.
8. Data storage capacity on the system should be of at least 9 terabytes in the form of a RAID Array design and be expandable to 29 Terabytes.
9. Must have software capable of autofocusing on, capturing images from and measuring cell density on the top and bottom side of directed cell migration or chemotaxis plates.
10. One offline computer with UPS and analysis software of post-acquisition analysis (Offline computer (minimum desired specifications) – i5/i7 processor; 8 GB RAM; 1GB graphics card; 2 TB HDD; 21 inch LED monitor; wireless keyboard mouse; ethernet port). Data storage capacity on the system should be of at least 8 terabytes in the form of a RAID Array design and be expandable to 16 Terabytes.
11. 3 years complete system warranty

The above mentioned technical specifications are highly desirable. However, lower technical specifications may be considered if the above mentioned specifications are found to be unsuitable in financial terms. The Institute reserves the right to go for lower specifications taking into considerations its financial constraints and technical preferences.

Terms and Conditions:

- The Vendor should have a good track record of having previously supplied similar equipment in India (please furnish details)
- The vendor should have qualified technical service personnel for the equipment based in Bangalore
- The payment will be through a Letter of Credit.
- The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of purchase order or 2 months from the date of receipt of Letter of Credit details (whichever is earlier)
- The validity period of the quotation should be 90 days
- Kindly indicate the import code of the items.
- If the goods are found to be defective, they have to be replaced or rectified at the cost of the supplier within 15 days from the date of receipt of written communication from us. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.
- The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time period to award of contract without thereby incurring any liability of the affected bidder or bidders.

Yours sincerely,

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(on behalf of the purchase committee)

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Chair, MRDG