INDIAN INSTITUTE OF SCIENCE, BANGALORE

Tender Notification for the Procurement of a "Phosphorimager" at the Indian Institute of Science, Bangalore

(Last date for submission: 20/02/2019)

Ref: MRDG/UGC/Equip/18-19

Kindly send your best quotation for a phosphorimager (multimodal) with the following technical specifications on C.I.F. Bangalore basis. Your quotation should clearly indicate the terms of delivery, delivery schedule, estimated delivery date, and payment terms. The tender should be submitted in two separate sealed envelopes - one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before 1700 hours on February 20, 2019.

The bids should be addressed to:
The Chair
Department of Molecular Reproduction, Development and Genetics
Indian Institute of Science
Bangalore – 560 012, INDIA

The sealed bids should be sent to:
The Chair
Department of Molecular Reproduction, Development and Genetics
Indian Institute of Science
Bangalore – 560 012, INDIA
Phone: + 91 80 22932659
E.mail: chair.mrdg@iisc.ac.in

Please enclose a compliance statement along with the technical bid.

Technical Specifications for Phosphorimager

We are seeking to procure a Phosphorimager, capable of multimodel sample imaging with detailed specifications listed as under. The system should be equipped with latest version of hardware and software.

The following specifications for the system was finalized for the tendering process:

1. Biomolecular imaging platform capable of imaging
    a. Chemiluminescence with simultaneous white light imaging for blots
    b. Phosphorimaging for various radioisotopes such as ^{32}P, ^{33}P, ^{39}S, ^{3}H, ^{14C}, ^{125}I, ^{18}F
    c. White light imaging for gels;
    d. NIR imaging for blots;

e. Fluorescence imaging for blots/ gels in atleast 4 color

2. The machine should have atleast 5 log dynamic range
3. The excitation light source should have a minimum warranted life time of 20000 hours
4. Capable of simultaneous multiplexed imaging
5. High spatial resolution of 12μm or lesser
6. Should be capable of capturing in cell western images, tissue immunofluorescence, multiwell plates and multi-color arrays.
7. Detectors should have high quantum efficiency, at least 65% in all fluorescence and chemiluminescence modules
8. Should include an eraser of phosphor screens
9. Atleast 10 phosphorscreens of various dimensions to be included.
10. Should be accompanied with a controlling computer with specifications – Minimum quad core processor 16 GB RAM; 4 TB HDD + primary SSD drive; 64 bit OS; high resolution 24 inch display; LAN and wireless connection.
11. UPS backup for the entire system
12. 2 nos. 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 KB mouse); ethernet port.
13. Software modules to be included (for both online and offline analysis)
14. 5 years complete system warranty

Terms and Conditions

1. The vendor is responsible for the installation of the system at the Institute.

2. The price quotation should include the cost of installation and training of users to be conducted by technical and application expert. Training by technical and application expert needs to be conducted annually for first 5 years.

3. The system downtime must be limited to 24-48 hours from the time of reporting.

4. Comprehensive Annual Maintenance Contract (CMC) charges for three years may be quoted from the date of expiry of initial 5 years warranty.

5. The vendor should have a track record of having previously supplied a similar system/s in India. Details of these installations must be provided in technical bid.

6. The vendor should have qualified technical service personnel for the equipment based in India.

7. The lead-time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order.

8. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split-up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

9. Payment will be through Letter of Credit (LOC), 80% on shipment and 20% will be upon successful installation and training of users.

Attn:
Prof. Sandhya Visweswariah
Chair
Dept of MRDG
New Biological Sciences Building
Email: sandhya@iisc.ac.in

(on behalf of purchase committee)