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**DEPARTMENT OF BIOTECHNOLOGY**  
**Indian Institute of Technology, Madras, Chennai, 600 036.**  
**Telephone No.22574126, 22574101, FAX No.22574102**

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Dr,D.Karunagaran

DUE DT: 25/05/2018

Professor and Head

DT: 04/05/2018

DUE DT: 25/05/2018

**Ref No:BT/SMAH/2018/002/SPL**

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

## **Specifications for Automated Stainer**

- The slide Stainer should be fully automated and should have the capacity to process atleast 200 slides simultaneously.
- Each slide rack should have a capacity of atleast 20 slides.
- It should be compact and should have smaller footprint with LED lighting for clear viewing.
- It should be capable of processing both routine as well as special staining protocols.
- It should have a battery back up to continue staining protocols in case of power failure.
- It should have a fume extraction system with charcoal filters for the protection of users.
- Water supply lines should be protected by internal flow regulators and anti- siphon devices on water supply
- There should be password protection to keep customized protocols secure
- It should have 20 or more user defined protocols with editable multiple steps.
- The Stainer should have atleast 26 reagent pots with a minimum of 320ml capacity. Heated stations should be available.
- Should have a minimum of 2 doors for loading and unloading.
- There should be a colour LED display integrated into the system to show the graphic layout, reagent pot positions, remaining time etc. while a program is run.
- The software of the Stainer should be intuitive and should be capable to self - diagnosis in case of any problems and audio or visual alarms should be displayed on the screen.
- The unit should have a feature to enable prioritizing
- Agitation should be available for proper staining.
- It should be CE or FDA certified.

## **Electrical Specifications-**

- Voltage- 100-240V
- Power- 300VA
- Frequency- 50/60Hz

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HEAD OF THE DEPARTMENT

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