



DEPARTMENT OF BIOTECHNOLOGY
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Professor and Head

Date: 08.12.2014

Ref: BT/SMAH/2014/020/SPL

Dt. 08.12.14

Due Dt.22.12.14

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 livable 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 livable 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.

Automated Capillary Electrophoresis for DNA, RNA and Protein analysis

Specification:

DNA Analysis: DNA Solutions (sizing and quantitation) with 25bp- 12000 bp of DNA with a resolution of 4-5bp in nanogram range.

RNA Analysis: RNA should be separated and will detect at 100 picogram level. RNA quality indicator (RIN) to compare quality for qualitative analysis of RNA for Microarray and Real Time PCR applications.

Protein Analysis: Protein detection in ng range: Fast and reproducible protein sizing and quantification Protein detection in microgram range: High sensitivity applications working with 10 kDa- 260 kDa proteins.

Features:

- Should have option for using internal and external marker.
- Work as automated electrophoresis with related tools like priming station with preset time and pressure, chip vortexer, electrophoresis cartridge test chip bundle and license keys, Electrophoresis Cartridge.
- Reproducible and complete digital data.
- Quantification of each individual fragment per sample for purity results.

Software: Software for easy digital handling and storage of all data and should be able to do statistical analysis like CV, Mean & Std. Deviation.

Computer: Branded desktop/data processor for analysis of individual electrophoretic peaks.

Accessories: All essential accessories should be included

Warranty: should be 3 years

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Due Dt. 22.12.14

HEAD DEPT.OF BIOTECHNOLOGY