



DEPARTMENT OF BIOTECHNOLOGY
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MUKESH DOBLE
Professor and Head

Date: 25.02.2013

Ref: BT/KC/2012/64/SPL

Dt.25.02.13

Due Dt.12.03.13

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.

Equipment: High Performance Anion Exchange Chromatography

Specifications

Quarternary gradient pump (1 No): Flow rate: 0-10 ml/min. Flow rate accuracy: <0.1%. Flow precision: <0.1%. Maximum operating pressure: 6000 psi. Flow increment: 0.001 ml/min. Built in leak detector and vacuum degasser. Provision for upgrading the system with capillary pump.

Detector (1 No): Integrated Pulse Amperometric Detector with appropriate cell and electrodes. Micropocessor controlled digital signal processing. DC amperometry. Integrated amperometry. 3D amperometry.

Temperature controlled chamber (1 No): Temperature range up to 70°C for columns. Temperature increment: 0.1°C. Accuracy: 0.5°C. Provision for holding at least 2 regular columns and 2 injection valves. Built-in leak sensor.

Software: Software for control, data acquisition, data processing and reporting. Windows compatible.

Eluent bottles (4 Nos): 2 Lit capacity.

Sample injector (1 No): Manual sample injector valve with sample loop.

Eluant organizer (1 No): Eluant organizer with regulator accessories, bottles and stand

Warranty and AMC: One year warranty and two years of AMC after the expiry of warranty period at free of cost.

Others: Global user-list. Compliance with relevant International Standards of manufacture and safety. Detailed catalogues of the system and software.

Optional: Fraction collector. Suitable desktop computer with laser printer and 1KV UPS. Analytical and guard columns for simple sugars and oligosaccharides. Trap columns for cleaning eluant.

Note: Kindly submit quotations in two bids system (Technical Bid and Financial Bid).

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