



DEPARTMENT OF BIOTECHNOLOGY
Indian Institute of Technology, Madras, Chennai, 600 036.
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Dr. D. KARUNAGARAN

Professor and Head

Date: 07.11.2016

Ref: BT/SS/2016/025/SPL

Dt. 07.11.16

Due Dt.24.11.16

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.

Specifications for Karl Fischer Titration

We have requirement for Karl Fischer titration for determination of water content. The vendors are requested to submit A) A technical bid and B) A commercial bid for Karl Fischer Titration unit.

The required specifications for Karl Fischer titration are as follows:

- 1) It should be used to determine water contents **from 1 ppm up to 100%**
- 2) It should be used to determine water contents in **solid, liquid and gaseous samples**
- 3) Accessory measuring items (syringes, beaker etc) also provided along with the unit
- 4) It should be connected with **integrated magnetic stirrer**
- 5) Required sample volume should be $< 100\mu\text{L}$
- 6) It should support raw data (either text, csv format) export **through USB, Ethernet** (Operating and connection with Computer may consider but not necessary)
- 7) A maintenance tool kit and accessory tubing kit must be provided along with the unit
- 8) The system user manual must be provided in hard copy and CD
- 9) AMC (Annual maintenance contract) and technical support must be provided for the first three years at installation site (IIT Madras)
- 10) Installation and training must be provided by the vendor.

The bids may be sent to the address below:

Prof. Sanjib Senapati
Department of Biotechnology
Indian Institute of Technology-Madras
Chennai - 600036
Tamil Nadu, India