



DEPARTMENT OF BIOTECHNOLOGY
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MUKESH DOBLE
Professor and Head

Date: 05.08.2013

Ref: BT/KC/2013/22/SPL

Dt. 05.08.13

Due Dt.23.08.13

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.

High Pressure and High Temperature Reactor

Specifications:

Type	: Bench top, Removable head and vessel
Reactor Size	: 5 Litres
Material	: SS-316
Pressure	: 350 bar/5000 psi
Working Temperature	: Above ambient up to 250°C
Fittings and valves	External - pressure gauge, vent valve, safety rupture disc, gas inlet valve, liquid sampling valve. Internal - cooling coil, thermo well, dip tube
Temperature sensor	: RTD-PT-100
Body and head sealing	: Split clamp type quick opening system, clamp bolts, flat Gasket
Gasket	: PTFE (Maximum 350°C)
External heating system	: Electrical ceramic heating mantle with insulation
Control panel	: Compact SS, microprocessor based programmable PID temperature controller, digital display indicator, other digital Indicators
Digital pressure indicator	: SS-316 Pr transmitter (Non-FLP) with high pressure alarm in addition to analogue pressure gauge.
Mounting	: Table top with SS stand

Optional

Tools and spare parts kit
Trolley instead of table top

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Head of the Department