



DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI – 600036, INDIA
Phone: +91-44-2257 4187

Ref. No. CHE/12-13/113/DSTX/RVIN

Date: 14 March 2013

Due date: 24 March 2013

Item name: Pyroprobe® Pyrolyzer with FTIR Cell Attachment

1. Quotations are invited in duplicate for the various items shown overleaf (in Annexure I). The quotations duly sealed and superscribed on the envelope with reference no. and due date, should be addressed to the undersigned so as to reach on or before the due date mentioned above.
2. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
3. The total cost of the equipment in terms of CIP Chennai should be clearly mentioned.
4. Terms of warranty and guarantee should be explicitly mentioned.
5. Packing and delivery charges, customs and clearance duty should be clearly stated.
6. Goods shall not be supplied without an official supply order.
7. Local firms : Quotations should be for free delivery to this institute. If quotations for ex-godown delivery charges should be indicated separately.
8. Firms outside Chennai: Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If ex-godown, packing, forwarding and freight charges must be indicated.
9. The rate 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 (CST) applicable to non-government educational institutions run with no profit motive for which a concession sales tax certificate will be issued at the time of final settlement of the bill.
10. Payment : Specify the mode of payment and if advanced payment has to be made. Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.
11. IIT Madras is exempt from payment of excise duty and is eligible for concessional rate of customs duty. Necessary certificate will be issued on demand.
12. In case of any queries/clarifications, please contact Dr. R. Vinu, Chemical Engineering, IIT Madras, Chennai, at +91-44-22574187 (office), +91-9500158723 (mobile no.) and/or vinu@iitm.ac.in (e-mail).
13. The sealed quotation may be sent to

Dr. R. Vinu (Assistant Professor)
Department of Chemical Engineering, IIT Madras
Chennai – 600036
Phone: +91-44-22422525
Mobile: +91 9500158723
E-mail: vinu@iitm.ac.in



DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI – 600036, INDIA
Phone: +91-44-2257 4187

Annexure I

Ref. No. CHE/12-13/113/DSTX/RVIN

Date: 14 March 2013

Due date: 24 March 2013

Item name: Pyroprobe® Pyrolyzer with FTIR Cell Attachment

Component	Description/Requirement
Pyroprobe® pyrolyzer with programmable interface	Include (i) Control module (ii) Probe handle and two 1/4" interchangeable probe rods (iii) Sample handling kit (iv) Low mass programmable interface zone (v) 8 programmable steps per sample (vi) Heating rate: 0.01 °C/ms to 20 °C/ms (vii) Thermal desorption of solid and liquid samples (viii) Maximum interface temperature: 350 °C (ix) Interface heating rate: 1 – 100 °C/min (x) ¼" economy quartz tubes (100 nos.)
GC Interface	Capable of interfacing with Agilent 7890A GC-FID/MS Easy handling (attachment/removal) of GC interface
FT-IR Interface	Heated interface FT-IR cell ¼" FT-IR rod with coil element ZnSe and KBr windows (2 nos. each) Replacement o-ring set Mounting plate to fit standard FT-IR models Flow controller and shut-off valve for cell purge
Consumable parts	Viton o-ring for sealing FT-IR windows (1" and 1.5", 2 nos. each) Kalrez o-ring for high temperatures (1" and 1.5", 2 nos. each) Vespel ferrules, nuts and other standard consumables
Software	Compatible with Windows 7 OS. Include software CD, installation kit and remote start for GC.