Quotations in sealed envelope should be send to Prof. S.N. Naik, Room No. 389, Block III, Centre for Rural Development and Technology, IIT Delhi, Hauz Khas, New Delhi-110016 on or before 05/12/2013 for the following equipments.

Preparative High Performance Dual Piston Pump

Technical Specifications:

1. **Flow rate:** 0.1–300 mL/min

2. **Max. Pressure:** Constant Flow: 8,500 psi  
   Constant Pressure: 10,000 psi

3. **Accuracy:** ≤2% of set point

4. **Precision:** 0.5% RSD

5. **Pulsation:** ≤±5.0% @ 150mL/min; 3,000 psi

6. **Power:** Universal, 240 V AC, 50 Hz

7. **Keypad control:** Flow rate, run/stop, alarms, read; LCD keypad control and RS-232 interface pressure, set upper/lower limits

8. **Remote inputs:** RS-232 serial interface, voltage (0–10 volts), enable run/stop

9. All pipe connections and fittings should be in BS system.

Prof. S.N Naik  
CRDT
Supercritical fluid pump for CO₂ applications

Technical Specifications of the pump

1. Flow rate: 0.1 to 200-250 ml/min
2. Pressure: 200 to 300 bar
3. Pressure accuracy: +/- 2-5 % of full scale pressure
4. Flow accuracy: +/- 5 % of CO₂
5. Microprocessor advanced control
6. Pressure display and control
7. Chemical resistant body and digital display
8. Auto stop of the pump below/above the preset pressure value
9. Maximum Operating Temperature: 100°C
10. It should deliver both liquid and supercritical CO₂
11. Inlet and outlet bulk head filters
12. Working Media: CO₂ cylinder with dip tube
13. Power requirements: 220V AC, 50 Hz.
14. All pipe connections and fittings should be in BS system

Prof. S.N Naik
CRDT
Terms and conditions covering submission of quotations

1. Price quoted
   The rates quoted must preferably be for free delivery CIF, IIT Delhi after allowing the discount, if any.

2. Terms of payment
   Our normal terms of payments within 30 days after receipt of stores in sound condition by means of cheque or Letter of Credit which ever is applicable.

3. Directors rights
   Director reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing of the quantities demanded also vests with him.

4. Validity of quotations
   Quotations will be considered valid for 3 months from the date of receipt unless otherwise stated.

5. Correspondence
   No correspondence regarding acceptance or rejection of a quotation will be entertained.

6. Samples
   Samples where asked for, will invariably be made available and sent along with the quotations.

7. Method of submission of quotation
   Quotations should be sent in a sealed cover marked at the top OUR N.I.Q. REFERENCE AND DUE DATE as otherwise these will not be considered. Quotation should contain separately sealed
   (i) Commercial bid and
   (ii) Technical bid
   both in one main sealed cover

8. Discount/rebates
   Special discount/rebate wherever admissible keeping in view that the item supplied are being made for Educational purpose in respect of Public Institution of National importance may please be indicated.

9. Compliance Statement
   Compliance Statement against tender specifications must be submitted. Quotation not satisfying the same will be rejected.

10. Warranty
11. Rejection
   2 year.
   Quotation not conforming to the set procedures as above will be rejected.

Prof. S.N Naik
CRDT