



# Indian Institute of Technology Madras

I.I.T.P.O., MADRAS-600 036

DEPARTMENT OF CIVIL ENGINEERING

## Form for Inviting Quotations

Ref.No.CIE/SMAT/2016 /Hollow Fiber Membrane Casting Machine Date: 28/02/2017  
**SPEED POST**

To

Dear Sirs,

DUE DATE: 15/03/2017

1. Quotations are invited in duplicate (Two bidding covers) for the item/ s shown as per enclosed Specifications.
2. The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the Head of the Department, and contain in 2 bid system i.e Technical bid and Commercial bid in two separate envelopes and these two envelopes should be enclosed in a Single envelope so as to reach him on or before the due date stipulated above.
3. The Quotations should be valid for (90) Ninety 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 No. 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 (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
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 for Ex-Godown delivery charges should be indicated separately.
7. Firms Outside Madras : Quotations should be for F.O.R. Madras. 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.
8. 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 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.
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

Details as per enclosed list.

Yours faithfully  


HEAD OF THE DEPARTMENT  
**HEAD**

Department of Civil Engineering  
Indian Institute of Technology Madras  
Chennai - 600 036.

### Hollow Fiber Membrane Casting Machine

The specification of the hollow fiber membrane casting machine is provided below.

Material of the Spinneret	- Stainless steel (grade 316)
Spinneret number required (number)	- 1
Size required	- 1.4 mm OD x 0.8 mm ID
Dose solution vessel material	- Stainless steel (grade 316)
Vessel number required (number)	- 1
Capacity of vessel	- 200 mL
Container bore fluid storage unit material	- Stainless steel (grade 316)
Number of storage unit required (number)	- 1
Capacity of the storage unit required	- 500 mL
Material for Needle valve for bore fluid	- Stainless steel (grade 316)
No of needle valve required (number)	- 1
Needle valve capacity	- 500 mL
Coagulation bath container required (number)	- 1
Material for coagulation bath container	- Poly-propylene (PP)
Capacity of the bath container	- 20 Liters
Requirement of flow controller	- Digital controller with latest features
Warranty required for the whole machine	- 1 year

#### Additional Requirements (to be included in the quote):

- Provide the cost for additional needle valve
- The supplier should give training for 2 persons suggested by us to fix the hollow-fiber membrane prepared from the supplied unit in test skids and also train them to fix the membrane in laboratory scale reactors (i.e. MBR reactor size of 300 mm X 300 mm X 200 mm)
- Provide cost for one year extended warranty

S. M. S. 25/2/17