



DEPARTMENT OF CIVIL ENGINEERING  
**Indian Institute of Technology Madras**  
I.I.T.P.O., MADRAS-600 036

Form for Inviting Quotations

Ref.No.CIE/JMUR/2018/DISPERSER/

Date: 5-9-2018

**DUE DATE: 14-9-2018 – 4.00 P.M.**

To

Dear Sirs,

1. Quotations are invited in duplicate for the various items shown below / overleaf / **Enclosed list.**
2. **The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach on or before the due date stipulated above.**
3. The Quotations should be valid for 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 rates of GST and 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 GST/General Taxes will be admitted at any stage and on any ground whatsoever. IIT Madras is eligible for concessional GST. Relevant certificate will be issued. In case of import supply the price should be quoted without custom duty. I.I.T. Madras is exempted from levy of IGST on Imports and eligible for concessional custom duty (not exceeding 5%) and the price should be quoted on **EX-WORXS** and **CIP** basis indicating the mode of shipment.
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.

Yours faithfully,

  
[Dr. J. MURALI KRISHNAN]

- Note: (i) Quotation should be sent by SPEED POST only or to be delivered directly to the concerned.  
(ii) Firms are requested to submit the specifications of their product along with supporting technical Documentation / brochure instead of reproducing the specifications sent by us.

### Technical Specifications for Disperser

1. The dispersing unit should be capable of handling volumes from 0.25 - 30 L.
2. This unit should be able to handle fluids up to a maximum viscosity of 5000 MPas.
3. The unit should be able to operate at a speed range of 600 to 10,000 RPM. The unit should also show the speed in LED.
4. The maximum speed deviation should not exceed 1%.
5. The noise of the unit without the element should not exceed 72 dB

Also, the vendor should give a price quote for the following accessories:

#### Dispersing element

1. This dispersing element should be compatible to work with the disperser to be supplied.
2. The working range of this disperser should be from 0.25 to 10 L.
3. The stator diameter should be 45 mm, and the immersion depth should have a range of 70 to 250 mm.
4. The material should be suitable for working with solvents.
5. The maximum working temperature for this dispersing element should be 180 °C.

#### Clamp

The disperser should have a specialized clamp with a clamping range of stand as 34 mm and extension arm of 16 mm. The material should preferably be made with cast aluminum. The disperser should have arrangements for providing appropriate strap clamps for securing the vessels during stirring and dispersing. It should be able to clamp for vessel diameter ranging from 40 to 300 mm.

#### Stand

The quote should include a proper telescopic stand capable of spring stand rod enabling movement of the attachment to be raised and lowered. The stand should have an adjustment screw which can be useful for setting up the assembly in uneven laboratory tables.