



Indian Institute of Technology Kanpur

National Centre for Flexible Electronics

Enquiry number: SCDT/FlexE/2017-18/14

Date: 29.08.2017

Opening Date : 08.08.2017

Closing Date : 17.08.2017 **Re-Extended till 07.09.2017**

Subject: Purchase of Planetary Mixer with Degassing System.

Sealed Quotations from prospective vendors are invited by Samtel center for display technologies, IIT Kanpur for the purchase of **“Planetary Mixer with Degassing System”** with specifications given below:

Note- All vendors are requested to submit **“technical and financial bids”** together in separately sealed envelopes.

System Description (Technical requirements): We are looking for planetary mixer with degassing facility for various application on using powder, liquid and paste. This mixer should revolves revolution with clock-wise (base) and rotation (container) with anti-clock-wise that contains diverse materials in order to simultaneously mix and degas materials quickly without using rollers or a propeller. The system should have the following technical specifications

Specifications for Planetary Mixer with Degassing System:

1. Planetary Mixer with single Cup of maximum capacity of 300 ml with External Vacuum facility to be included. Instrument should be capable of mixing and gas removal from the sample
2. Number of revolutions should be minimum 9 stage setup.
3. Rotation should follow at fixed ratio as 50% against revolution speed.
4. Instrument should have minimum 5 different kinds of motion pattern as well as continuous operation
5. Vacuum system should be in build with the system(vacuum range 0.1 kpa -99.9 kpa)
6. System should handle low to high viscosity samples up to 300,000 cps
7. Setup time : 10-300 seconds X 5 steps
8. Memory function:
 - User setup channel – 90 CH
 - Fixed data channel – minimum 10 CH
9. System should have weight kit for balance adjustment or should have inbuilt mechanism to overcome
10. Instrument should have safety features such as:
 - Top Lid Lock
 - Alarm for imbalance error motor alarm and maintenance alarm
11. Instrument is desired to provide revolving speed of approx. 400 G centrifugal forces for controlling thermal elevation of sample.
12. Instrument should have vacuum reduce pressure function
13. Instrument should have individual solution rotation control system
14. Warranty for 2 years must be provided
15. Please quote accessories as an optional items:
 - Container and adapter for 150ml
 - Container and adapter for 24 cc
 - SS container(if available) with suitable adaptor
 - Essential spares to be quoted separately

Terms and Conditions:

1. Evaluation will be done on the basis of technical specifications as per our tender notice.
2. Financial bids will be open only for those, who meets all technical specification.
3. Please do mention tender number clearly on envelop.
4. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
5. The supplier must have supplied systems to institutions of national and/or international repute.
6. Quotation must indicate FCA or FOB prices.
7. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
8. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
9. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
10. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
11. Validity of quotation should be at least for 60 days.
12. Maximum educational discounts should be applied.
13. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
14. Institute is exempted from payment of Excise Duty under notification No. 10/97.
15. The delivery period should be specifically stated. Earlier delivery may be preferred.
16. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelope latest by 2:00PM on 24/08/2017 to the following address;

To,
Dr Ashish,
Room No.310,
Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh, India