



Department of Metallurgical and Materials Engineering
Indian Institute of Technology, Madras, Chennai – 600 036

Enquiry No.

MET	2015	001	NVRK
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Date: 29.12.15

Due Date: 18.01.2016

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 him on or before the due date stipulated above.
3. The Quotations should be valid for sixty 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, Rate Contract Number 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. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
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 are for Ex-Godown, delivery charges should be indicated separately.
7. **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.
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 Certificates will be issued at the time of final settlement of the bill.**
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order.
10. 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,


1) Spin Coating Machine - 1 no.

Specification Enclosed.

Any clarification Pl Contact.

Dr. N.V. Ravikumar. 044:2257 4777

Project Co-ordinator. Email: nvrk@iitm.ac.in


for The Head of the Department
The Project Co-ordinator
Met. & Materials Engineering
IIT Madras, Chennai – 600 036

*Strike Out whichever is not applicable.

SPIN COATING MACHINE

DETAILED SPECIFICATION:

Mounting:	Table top version
Bowl material:	Completely NPP. (<i>Polymer coated metal bowl is not acceptable</i>)
Substrate size to be mounted:	Up to 150mm diameter
Substrate mount:	Vacuum chuck with suitable adapters
Maximum speed:	10,000 rpm or higher
Spin Speed accuracy:	± 0.1 rpm
Acceleration	20,000 rpm/sec or higher
Programmable step time:	1-9999 sec.
Recipe control:	20 or more recipes with > 40 steps each
To place substrate on chuck	Centering tool should be provided
Safety:	System should be equipped with safety interlocks
Electrical:	AC 230V, 50 Hz
Vacuum pump	Oil free vacuum pump
Warranty:	One year from date of installation
Product certification	Must have CE or equivalent certificate

Other requirements

1. CIF/CIP price (Chennai) is only acceptable and has to be quoted.
2. Separate quotes for additional accessories, if available to be provided
3. Name and address of Indian agent taking care of after sale service has to provided
4. Cost of annual maintenance contract (AMC) beyond warranty period

TECHNICAL COMPLIANCE STATEMENT For-

Spin coating machine – 1-No.

The following points should be complied by the quotations

Sl. No.	Tender specifications	Whether Complies Yes	Whether complies No
1.	Bowl should be completely made up of NPP . It should not be a polymer coated metal bowl.		
2.	Machine should be capable, to hold the substrate diameter of 150mm(Maximum)		
3.	Machine should have maximum speed of 10000 rpm		
4.	Speed accuracy should be of 0.1rpm and should have acceleration of 20000 rpm/s		
5.	Machine should have programmable step time ranging from 1- 9999 s		