



**Manufacturing Engineering Section
Department of Mechanical Engineering
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Prof. N Ramesh Babu
Project Coordinator

08 January, 2016

Inviting quotations for Ballbar measurement system

Ref No: MEE/OPSA/NRAM/BB/01

Date: 08-01-2016

Due Date: 27-01-2016

To

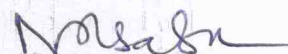
Dear Sirs,

Quotations are invited in duplicate for the item enclosed in annexure I

1. 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.
2. The quotations are to be in **two-bid system** as: Technical bid and Commercial bid. Two parts of the offer are to be clearly marked on the envelopes. The two parts of the offer on a separate envelope are to be enclosed in one bigger envelope duly sealed and superscribed with reference number and due date and 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 thirty days (30 days) from the due date and the period of delivery required should 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 Chennai: 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. In case of import, the insurance and freight charges should not exceed 6% of FOB charges. You are requested to quote FOB price as well as CIF Chennai, mentioning freight and insurance charges separately. No Ex- works pricing is considered.
10. No advance payment will be made for indigenous purchase. 100% payment against delivery on satisfactory installation for local purchase can be agreed to. Sometimes the Rule 159 GFR may be allowed i.e. 30% advance payment against BG (bank Guarantee) and 70% payment after supply. All the BG charges will be borne by the supplier only. For imports normally, payment will be made by letter of credit only (Terms: 90% payment will be released against dispatch of shipping documents and 10% will be released after satisfactory installation). Demurrage charges, if any, will be borne by the supplier and will be deducted from the balance 10%. Initial opening of letter of credit charges will be borne by us. If any amendment is requested for, the charges for the amendment will be borne by the supplier only. Hence, care should be taken in all respects before opening of letter of credit.
11. Goods should be supplied carriage paid and insured.
12. Goods shall not be supplied without an official supply order.
13. 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



N Ramesh Babu

Dr. N. RAMESH BABU
Professor

Manufacturing Engineering Section
Department of Mechanical Engineering
Indian Institute of Technology Madras
Chennai - 600 036

ANNEXURE – I

Ref No: MEE/OPSA/NRAM/BB/01

Date: 08-01-2016

Due Date: 25-01-2016

Item: Ballbar measurement system Quantity required: 01 no.

Our technical requirements:

Type of sensor	:	LVDT based Please specify other sensor types available (optional)
Radius of measurement	:	50 - 600 mm
Accuracy	:	0.5 - 1 μ m
Resolution	:	0.1 - 0.5 μ m
Number of axes to be measured on machine	:	2 - 5
Configuration of machines to be tested with ball bar	:	a) Two axis lathe machine, b) 3 - 5 axes machining and turning centers, c) 3 - 5 axes Coordinate measuring machines
Data sampling rate	:	100 - 1000 Hz
Data transmission from sensor	:	Wireless (preferable)
IP class	:	Please specify
Software	:	Suitable software for data collection, analysis and report documentation
Accessories	:	Carrying case Standard accessories should be clearly mentioned Please specify other optional accessories
Warranty	:	One year

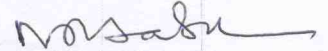
Note:

- 1) Technical and financial bids are to be submitted in separate sealed envelopes. The envelopes should be clearly marked as "Technical Bid" and "Commercial Bid" respectively. Both these sealed envelopes should be sent in a single sealed packet. Otherwise, the quotations will not be considered.
- 2) In case, you are the dealers for more than one brand, please send separate quotes for each brand matching our requirements.

Please mail your quotations with the reference number mentioned on the cover addressed to

(Kind Attention: Prof N Ramesh Babu)

Dr. N Ramesh Babu
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