



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

Enquiry No.

MET	2013	010	GODTA
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Date: 27.9.13

Due Date: 7.10.13

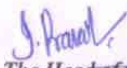
Dear Sirs,

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) Scattered light measurement system as per specification enclosed.
Please send Quote hard copy by ^{Courier} Post Sealed cover to

Dr. G.D. Janaki Ram For any clarification in this regard Pl Contact
Mobile : 9840597364
E-Mail : Jram@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.

Technical specification for scattered light sensor (one number)

Scattered light sensor with 32° optics	
Sensor type	Non contact
Measurement type	Non contact
Power supply	220 V
Trigger input	5-24 V
Measuring range	+/- 5.7° form angle range
Transverse direction roughness (Rz)	0.05µm - 3 µm
Longitudinal direction roughness (Rz)	3µm - 30 µm
Measurements	2,000/s (maximum)
Measuring spot size	< 1 mm
Measuring distance	Up to 5 mm
Wave filter	ISO 16610
Degree of protection	IP 65
Flexible mechanical fixture to mount the sensor	
Sensor holder with 6 levels of freedom	
Capability for measurement on all reflected surfaces	
Capability for representing raw and filtered data	
Graphical representation of measured values and statistical process analysis	
Data (surface roughness, reflection, macro angle) representation in 3D graphics	
Sensor should be suitable for use in industrial environments (resistant to dust, water, and vibrations)	
Sensor calibration set to be included	
Software for sensor control and data analysis	
USB interface	
Weight: < 1 kg	