

Indian Institute of Technology Kanpur
Department of Physics

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Enquiry No: IITK/PHY/2016-17/NC-279
Enquiry date: 24/10/2016
Last date: 10/11/2016

Tender Notice

Sealed quotation should reach the undersigned latest by 5.00pm on 10th November, 2016 for the following item:

S.NO	Description of item	Quantity
01	Convertible Wedge-Wedge Bonder	01

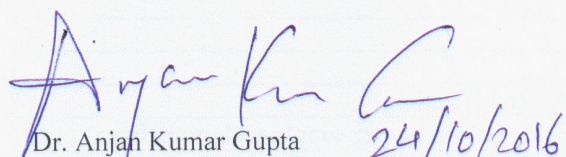
The above –mentioned item should conform to the following specification:

S.NO	Parameter	Specification
1	Bonding Material	Gold and Aluminum
2	Dimensions	Wire: 20 to 25 um diameter Ribbons: 25 um Thick x 250 um Wide or better
3	Feeding	Angled-feed and vertical-feed (Wedge Bonding)
4	Controller	Microprocessor controlled, programmable parameters
5	Parameters Memory	Parameters should be stored in memory and should be retrieved automatically upon turning on the machine
6	Bonding type	Deep access to bond targets on substrates/packages of any X-Y dimension with throat less chassis and micromanipulator
7	Micro Manipulator	Counter balanced, single lever, X-Y-Z with pneumatic brakes, 8:1 ratio
8	Memory	256KB RAM, with battery back-up
9	Display	4 lines, 40 characters LCD (or more)
10	Z tool range	14.22 mm minimum
11	Z Encoder resolution	~50 um or better
12	Bond force range	Adjustable, 10 to 250 gms
13	Transducer	½ wave, 60-65 KHz
14	Ultrasonic positioning utility	Built-in 8 bit, 4 Watts
15	Conventional tool length	19.05 mm
16	Deep Access tool length	19.05 mm
17	Radiant tool heat	Built in
18	Microscope	Stereo Zoom with 60X magnification
19	Illuminator	LED Illuminator with stand alone power supply and mounting
20	Work Holder	Work holder, ambient to 200 deg.C or more. For substrates, ~ 10 x 10 mm to 25mm x 25mm Work piece to be held by mechanical clamp.
21	Bonder Installation Kit	To include essential items like compatible Aluminum Wire (50 meters), Tweezers, Cutting shears, Unplugging probe, Micro needle tips, Scissors, Cutting shears, Allen wrenches, Screws, Ball and drivers and Gram gauge

22	Bonding Wire	Quote for the following – i. 0.001” Dia Gold Wire – 1 Spool (70ft) ii. 0.001” Dia 1%Si/Al Wire, 1 Spool (70ft)
23	Adjustable height platform	Quote as Option
24	Bonding Wedges	Quote for the following – i. Diagonal feed (45 degree) Wedge Bonding tool suitable for 0.001” dia wire – 2 no.s ii. Vertical feed (90 degree) Wedge Bonding tool suitable for 0.001” dia wire – 2 no.s
25	Warranty	Equipment should be warranted for 12 months
26	Manual	Complete operation manual in English
27	Installation and Training	Equipment to be installed at IIT Kanpur and equipment to be demonstrated. Training on equipment operation and maintenance should be provided during installation

Terms & Conditions:

- 1) Quotations must reach undersigned by **10.11.2016, 5.00 pm**
- 2) Quotations should have a validity of minimum of 90 days.
- 3) Technical specification sheets, authorization certificate or proprietary certificate (if applicable) and Any other relevant documentation should be included with the quotation.
- 4) Quotations are required in duplicate: (1) TECHNICAL BID (2) FINANCIAL BID, in separate Sealed envelopes, both to be finally put in one single envelope with Tender Enquiry Number Mentioned clearly in all sealed envelopes.
- 5) Please specify the maximum permissible educational discount, if any.
- 6) The delivery period should be specifically stated.
- 7) The rate offered should show both F.O.B (specify city) in the country of origin and CIF (New Delhi)
- 8) Please clearly mention the tax rate (like VAT etc.) and transportation charges up to IIT Kanpur, India.
- 9) Institute is exempted for payment of Excise Duty under notification No.10/97 & partially @ 5.15% Customs Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- 10) After sales Service in India and warranty period should be clearly mentioned.
- 11) The Institute reserves the right of accepting and rejecting any quotation without assigning any reason.
- 12) Quotations by E-mail will not be accepted.


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