

Indian Institute of Technology Kanpur
Microwave Imaging and Material Testing Laboratory
Department of Electrical Engineering

Enquiry number: MJA/CP/01

Date: January 27, 2017

Sub: Inviting sealed quotations from prospective vendors for a conductive inkjet circuit printer and its related accessories.

Sealed quotations are invited for a conductive inkjet circuit printer and related accessories of the following configuration.

The submitted quotations should have complete technical specifications for your product for each part/component and accessories. Please specify company name and model number. Also attach technical brochure. Financial details i.e. budget quotation should specify the taxes and discounts clearly.

- Opening date: January 27, 2017
- Closing date: March 30, 2017

Quantity: 1

Specifications:

1. Print area of machine should be greater than 100 mmx100 mm.
2. It should support minimum track width of 0.2 mm and minimum thickness of track width should be greater than 18 μm .
3. Minimum pin-to-pin pitch (conductive ink) should be less than 1mm, and conductive ink resistivity should be less than 20 $\text{m}\Omega/\text{sq}$ @ 70 μm height (thickness).
4. It should be able to print on large variety of material such as dielectric substrates, Plastic sheets, fabrics and preferably on 3D structures.
5. Computing software of machine should support Window platform and Gerber file of software like Eagle, Diptrace, Altium etc.
6. Machine should also support solder paste dispensing and reflow features.
7. Machine should be accompanied with all necessary accessories required for smooth functioning.
8. Supplier should at least supply two sets of accessories (conductive ink cartridge, nozzle, and solder paste cartridge) along with the machine.

Terms and Conditions:

1. Provided the technical bid meets the minimum specification, the final decision in favor of a bid will be made based on the financial bid, system capabilities, favorable payment terms, after-sales services offered and delivery time.
2. The Parent company should be an established company preferably having after sales support in India as well.
3. Please do mention tender number clearly on the envelope.
4. The supplier must have supplied systems to institutions of national and/or international repute.
5. Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection).
6. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
7. Installation, demonstration, and training sessions should preferably be carried out by the manufacturer or the vendor for the quoted system at IIT Kanpur.
8. Prices should be for IIT Kanpur & should include the delivery, installation and training cost.
9. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
10. Validity of quotation should be at least for 60 days.
11. Maximum educational discounts should be applied.
12. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
13. Institute is exempted from payment of Excise Duty under notification No. 10/97.
14. The delivery period should be specifically stated. Earlier delivery may be preferred.
15. 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 **March 30, 2017** at the following address:

To,

Dr. M. Jaleel Akhtar,
ACES-326,
Department of Electrical Engineering,
Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh,
India.