



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2015-16/38

Date: 31.03.2016

Opening Date: 31.03.2016

Closing Date: 07.04.2016

Subject: Sealed Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for the supply and installation of **“Print heads type spectra S-class SE 128SE”** (Quantity- 05) with following specifications:

Note: All vendors are requested to send **“Technical and Financial Bid”** should submitted together in separately sealed envelopes.

Technical specifications for Print heads type spectra S-class SE 128SE: (Quantity-05)

1. Number of addressable jets	:	128
2. Nozzle spacing	:	508 microns [0.020 in.]
3. Nozzle diameter	:	35 microns
4. Calibrated drop size	:	30 picoliters
5. Adjustment range for drop size	:	25 - 30 picoliters
6. Drop size variation, 1 sigma*	:	4%
7. Jet straightness, 1 sigma	:	3 mrad [0.17°]
8. Nominal drop velocity	:	10 m/sec
9. Drop velocity variation, 1 sigma*	:	5%
10. Crosstalk, maximum	:	5%
11. Operating temperature range	:	up to 90°C [194°F]
12. Fluid viscosity range (at jetting temperature)	:	8 - 20 cP
13. Compatible jetting fluids	:	Organic solvents, UV curables
14. Maximum operating frequency	:	40 kHz

Other essential features:

1. 30 picoliter calibrated drop size
2. 128 individually addressable, inline nozzles
3. Lightweight and highly stackable
4. Excellent jet straightness
5. Excellent channel to channel uniformity
6. High frequency continuous operation
7. Permits high viscosity jetting fluids

8. Orientation independent
9. Designed for long service life
10. Dual ported for ease of flushing
11. Optional temperature control

Terms and Conditions:

1. Evaluation will be done on the basis of technical specifications as per our tender notice.
2. Financial bid will be open only for those, who meet given tender specification.
3. Please do mention tender number clearly on envelop.
4. Supplier who have experienced in **Print heads type spectra S-class SE 128SE Balance** and supplied in the national and international institutions will be preferred.
5. Quotation must indicate FCA/FOB or FOR IIT Kanpur prices
6. Prices quoted should be CIF Kanpur.
7. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
8. The supplier must have supplied systems to institutions of national and/or international repute.
9. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
10. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
11. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
12. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
13. Validity of quotation should be at least for 60 days.
14. Maximum educational discounts should be applied.
15. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
16. Institute is exempted from payment of Excise Duty under notification No. 10/97.
17. The delivery period should be specifically stated. Earlier delivery may be preferred.
18. 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 dated 07.04.2016 to the following address;

To,
Dr Sabine Juliane Tripathi
Room No. 305,
Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh, India.