



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2016-17/04

Date:18/05/2016

Sealed Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for **source measure unit**.

Detailed specifications, term and conditions for **source measure unit** are mentioned below:

Note: **The technical and financial bid should be submitted together in separately sealed envelopes.** The **source measure unit** must comply with following technical specifications.

Technical specifications for **source measure unit**:

Sl. No	Specifications	Company specifications and model number of system	Complies/Does not comply/Not applicable
1	System Unit Should have built in preferably touch screen display of minimum 5 inch.		
2	It should have Four Quadrant Operation.		
3	The DC Power should be 100W or better and Pulse Power also should be 1000W or better		
4	The System Display resolution should be 6 ½ Digit or More.		
5	The system Voltage Source and Measure Voltage should be – 100V or better, and 5 uV or better resolution.		
6	The DC Current of system should be 7A or better and Pulse Current 10A or better, 50pA or better resolution		
7	The Resistance capacity should be from 2Ω to 200MΩ or better with a resolution of 1 uΩ or better		
8	The expansion Link/Interface should be provided for channel expansion		
9	It should have the Instrument that combines the capabilities of analyzers, curve tracers, and I-V systems.		
10	System should have 0.012% DCV accuracy with 6½-digit resolution.		

11	It should have Source and sink (4-quadrant) operation features.		
12	System should have "Quickset" modes for fast setup and measurements.		
13	It should have Front-panel USB 2.0 memory I/O port for transferring data, test scripts, or test configurations		
14	It should have Dual 1MS/s digitizers for fast sampling measurements		
15	System should have High performance test leads (2 Set minimum) banana to different removable test clips Rated to 1000V and 20 amps.		
16	System must have 2 spring-loaded test probes, red and black, 0.9m with banana plug termination. Designed to be used with instruments that measure 4-terminal resistance and in-circuit current.		
17	System have 10-piece test lead kit with interchangeable plug-in accessories. Kit includes: 1 set of test leads, 91.4cm (36 in), 1 red and black; 2 spade lugs, 2 standard banana plugs, 2 hooks, and 2 miniature alligator clips with boots.		
18	System Should be compatible with Lab-View and Lab-view Program provided with the instrument.		
19	All the system contact leads are supply by the same company.		
20	It should have a device which can work like a source meter (Power supply) and current plus voltage resolution is in micro ampere.		

Terms and Conditions:

1. **Supplier/Vendors should submit technical and financial bids together in separately sealed envelopes.**
2. Supplier who has supplied at least 5-6 similar **source measure unit** in the national and international institutions in last two years will be preferred.
3. Financial bid will be open only for those, who meet tender technical specification.
4. **Please do mention tender number clearly on envelop.**
5. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
6. Quotation must indicate FOB prices.

7. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
8. **Warranty/Guarantee and extended warranty (AMC) Details should be clearly mentioned. The Warranty must start from the date of installation at IITK.**
9. **Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.**
10. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
11. Validity of quotation should be at least for 60 days.
12. Maximum educational discounts should be applied.
13. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
14. Institute is exempted from payment of Excise Duty under notification No. 10/97.
15. **The delivery period should be clearly mentioned. Earlier delivery may be preferred.**
16. 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 3:00PM on 23/05/2016 to the following address;

To,
Prof Siddharth Panda,
Room No.310,
Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh, India
Contact: 07880354333