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Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2015-16/22 **Date: 19/11/2015**

Subject: Sealed Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for the supply and installation of **"PHOTO LUMINESCENCE SYSTEM"** with following specifications:

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

Technical specifications for photo luminescence system:

1. The Modular research photoluminescence quoted with 450W ozone free Xe source or better
2. It must have Power supply, double Czerny-Turner excitation spectrometer with 1200 g/mm gratings blazed at 330nm, Single Czerny-Turner emission spectrometer with 1200 g/mm blazed at 500 nm, continuously adjustable entrance and exit slits operated under computer control, with all reflective optics, photodiode reference detector, and excitation shutter, R928 PMT 250-850nm emission detector, photon counting electronics, controlling software and instrument controller.
3. The optics in the Photoluminescence setup should be mirror based.
4. It should have signal to noise ratio : 16,000:1 or better
5. The Excitation range up to: 250-950 nm, optimized in the UV
6. The Emission range up to: 250-950 nm, optimized in the Visible
7. It should have Wavelength Accuracy: +/- 0.5 nm
8. The Emission detector: R928PMT, 250-850nm working in Photon Counting mode
9. It should have Accuracy : 0.5nm
10. Scan speed : 150nm/s computer controlled variable
11. It should have Sample Holders :Liquid - Rectangular Quartz cuvette of path length 10mm

Solid - Solid Sample Holder, Powder sample holder

12. The Quantum Yield Integrating Sphere: 6 inch diameter sphere for measurement of quantum yields of various samples (Thin film/liquids/powder). All necessary coupling optics/sample holders and required accessories including software need to be included.
13. It must have Computer with Software for data collection, analysis and system control should be supplied
14. The System should be quoted with minimum two year warranty.
15. It should have One extra spare lamp of 450W Xe source
16. The Calibration standard should be also be quoted along with the system.
17. The system should be future upgradeable in the field itself for
    1. Time correlated Single photon counting
    2. Automated Polarizers for Anisotropy measurements
    3. NIR Measurements

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 for photo luminescence systemand supplied in the national and international institutions will be preferred.
5. Quotation must indicate FCA/FOB or FOR IIT Kanpur prices
6. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
7. The supplier must have supplied systems to institutions of national and/or international repute.
8. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
9. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
10. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
11. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
12. Validity of quotation should be at least for 60 days.
13. Maximum educational discounts should be applied.
14. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
15. Institute is exempted from payment of Excise Duty under notification No. 10/97.
16. The delivery period should be specifically stated. Earlier delivery may be preferred.
17. 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 3:00 PM dated 23/11/2015 to the following address;

To,
Dr. Monica katiyar
Room No.306,
Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh, India