



Indian Institute of Technology Kanpur

National Centre for Flexible Electronics

Enquiry number: SCDT/FlexE/2017-18/15

Date: 30/08/2017

Opening Date : 30/08/2017

Closing Date : 29/09/2017 **extended upto 16.10.17**

Subject: Purchase of a S2S plasma system.

Sealed Quotations from prospective vendors are invited by National Centre for Flexible Electronics, IIT Kanpur for the purchase of **“S2S Plasma System”** with following specifications:

Specifications for S2S Plasma System:

- Atmospheric plasma
- Surface dielectric barrier discharge (SDBD) type plasma
- Dynamic treatment (i.e. relative movement between substrate and treatment head) to simulate R2R processing process
- Speed 0.5 - 30 m/min
- Flat bed system, compatible with flexible and rigid substrates
- Substrate holding system (vacuum or similar)
- Treatment of substrate size 210 x 300
- Compatible with conducting and non-conducting substrates and non-conducting substrates with conductive Patterns such as printed metal tracks
- Minimum 3 gas inlets
- Compatible with following process gases: N₂, air, CO₂, optional: Argon, O₂
- Controlled, variable gas flow (e.g. by mass flow controllers)
- Cleanroom compatible design
- Contact angle of water of < 10 degrees on ITO film after surface treatment achievable
- Enclosure with possibility to connect to exhausting system
- Variable plasma power
- Adjustable gap between substrate and plasma

Needs to include

- Training - remote or on-site
- Shipment
- Spare parts

Terms and Conditions:

- All vendors are requested to submit **“technical and financial bids”** together in separately sealed envelopes.
- All quotation must reach undersigned on or before 16 October 2017.
- The envelope must be inscribed tender number clearly.
- Evaluation will be done on the basis of technical specifications as per our tender notice.
- Financial bids will be open only for those, who meet maximum technical specification.
- Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.

- The supplier must have supplied systems to institutions of national and/or international repute.
- If the material is an import, kindly provide dimension and weight for freight charges calculation
- Quotation must indicate FCA or FOB prices.
- Normal payment terms for the institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection). Any advance payment shall be made only against a bank guarantee of the requisite amount.
- Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
- Vendor will have to provide detailed documentation on usage (manual, video) for the quoted system.
- Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
- Validity of quotation should be at least for 60 days.
- Maximum educational discounts should be applied.
- Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
- The delivery period should be specifically stated. Earlier delivery may be preferred.
- At any time prior to the deadline for submission of bid, the Institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
- 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.
- The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within aforesaid delivery period.

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