



Indian Institute of Technology Kanpur Samtel Centre for Display Technologies

Enquiry No. : SCDT/FlexE/2018-19/16
Opening Date : 13.03.2019
Closing Date : 02.04.2019

Sealed quotations from prospective vendors are invited by National Centre for Flexible Electronics, IIT Kanpur for the upgradation of OLED display fabrication cluster tool installed in Samtel Centre for Display Technologies, IIT Kanpur.

Note- Bidder is requested to submit “**technical and financial bids**” together in sealed envelope.

System Description (Technical requirements): We are looking for software and hardware upgradation of the existing Doosan Mecatec (formerly Doosan DND) OLED fabrication cluster tool. The system is used to make small molecule based OLED display utilizing thermal evaporation at ultra-high vacuum levels. The system consists of 3 separate vacuum chambers and plasma treatment chamber, integrated with robot based transfer mechanism and a glove box attached to it. The system is fully automated and process control and operation is undertaken through software. All the industrial PCs have become obsolete and need upgradation. The work requires developing new updated software based on Beckhoff TwinCAT 3 or latest and all the programs compatible to Windows 10 operating system. The new software should be able to do fully and semi-automated processes including aligning, deposition of various organic materials and metals, transfer and plasma treatment of substrates.

Terms and Conditions:

1. Evaluation will be done on the basis of technical specifications as per our tender notice.
2. Please do mention tender number clearly on envelop.
3. Only authorised service providers of Doosan Mecatec should quote.
4. Quotation should carry proper certifications like proprietary certificate or authorization certificate from manufacturer.
5. Computer/ hardware components which are outdated or obsolete must be replaced.
6. The supplier must have at least 10 years of expertise in hardware and software servicing of

fully automated OLED manufacturing cluster tool equipment.

7. The supplier must have supplied systems to institutions and companies of national and/or international repute.
8. After successful installation of the updated software, complete OLED display manufacturing process should be demonstrated and software should have option to work in both fully automated mode and semi-automated mode with the existing accuracy or better.
9. After installation, individual processes in each chamber and sequence of unit processes in different chambers must be demonstrated including rate tuning, aligning, deposition of various organic materials and metals, transfer and plasma treatment with existing accuracy or better.
10. The supplier must provide training to at least two users after the software installation and upgradation of the equipment.
11. Installation should be done on site and two mirror hard discs of the software should be provided.
12. All installation files and drivers should be provided without any additional cost to IIT Kanpur for reinstallation purpose.
13. There should be an option to fall back to the current configuration of the system in case the upgradation was not successful. For this purpose, all the old industrial PCs, PCI cards and drivers will be retained with IIT Kanpur.
14. Please do mention scope of the work / service clearly.
15. Quotation must indicate FCA / FOB or FOR prices.
16. Payment terms & condition is 30% after the release of purchase order against a bank guarantee, 50% after successful delivery and installation and 20% after acceptance through letter of credit.
17. Warranty should be at least 2 years from the date of acceptance after installation.
18. Free Software development and support for 10 years from the date of acceptance for any hardware modification.
19. Validity of quotation should be at least for 60 days.
20. Maximum educational institution discounts should be applied.
21. For any information regarding the work and clarifications, the undersigned could be contacted.
22. Delivery period should be within two months after PO. Installation and acceptance test should be finished within one month after delivery.
23. The Penalty @1% per week or part thereof subject to max 10% of the total price will be deducted from the balance payment, if installation is not completed within aforesaid period.
24. Concessional rate of GST (@ 5%) will be applicable with reference to Notification No. 45/2017 Central Tax (Rate) dated 14/11/2017. We will provide relevant certificate for this purpose. On import items for research purpose presently the GST applicable is 0% (Zero). DSIR certificate along with CDEC has to be submitted for availing concession. Vendor should use these GST rates in their quotation.

25. 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 latest by dated 02/04/2019 to the following address;

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