



## Indian Institute of Technology Kanpur National Centre for Flexible Electronics

**Enquiry number: SCDT/FLEXE/2017-18/10**

**Opening Date: 30/06/2017**

**Closing Date: 31/07/2017 (extended)**

Quotations from prospective vendors are invited by National Centre for Flexible Electronics, IIT Kanpur for **Helium Compressor for Doosan Cluster Tool** with following minimum technical specifications.

### Technical specifications

#### Power

Phase	: 3-phase
Frequency	: 50/60 Hz
Voltage	: 208 ± 10% VAC
Operating current	: 20-24 Amps

#### Refrigerant

Gas	: Helium
Purity	: 99.995% Min., -63°C Dew Point
Supply Pressure	: 300 Psi
Return Pressure	: 100 Psi
Charge Pressure	: 210 Psi @ 20°C

#### Cooling Water

Flow rate	: 2 GPM (7.57L/min.)
Temperature	: Inlet 10°C to 27°C
Cooling water heat radiation	: 6.0 kw
Supply and Return fittings	: 3/8 " - 18 " NPT

#### Environment

Temperature	: 5°C to 40°C
Humidity	: 30% to 95%
Noise	: Max. 70 dB (A)

- It should be in compatible with the 150 x150 mm OLED manufacturing cluster tool software.
- It should be compatible with Genesys ICP 200 and 200 L Cryopumps.

### Terms and Conditions:

1. **Supplier/Vendors should submit technical and financial bids together in separately sealed envelopes.**
2. Financial bid will be open only for those, who meet tender technical specification.
3. **Please do mention tender number clearly on envelop.**

4. The supplier must have supplied systems to institutions and/or companies of national and/or international repute.
5. Quotation must indicate FOB/FCA prices.
6. Payment terms 70% advance, 30% after installation.
7. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
8. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
9. Validity of quotation should be at least for 60 days.
10. Maximum educational discounts should be applied.
11. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
12. Institute is exempted from payment of Excise Duty under notification No. 10/97.
13. The delivery period should be specifically stated. Earlier delivery may be preferred.
14. 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 envelopes latest by dt.31/07/2017 to the following address:

**To,  
Dr Monica Katiyar,  
Room No.305,  
National Centre for Flexible Electronics (NCFlexE)  
Samtel Centre for Display Technologies (SCDT),  
Indian Institute of Technology Kanpur,  
Kanpur – 208016, Uttar Pradesh, India**