



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

Tender Ref. No.	SCDT/FLEXE/2023-2024/01
Name of Tender	Purchase of Precursors for Atomic Layer Deposition System
Bid submission start date	01.05.2023 04:00 hrs
Bid submission end date	10.05.2023 17:00 hrs
Bid opening date	11.05.2023 15:00 hrs

Sealed quotations (Technical and Financial separately) from prospective vendors are invited by National Centre for Flexible Electronics, IIT Kanpur for the purchase of Precursors for Atomic Layer Deposition System with the following technical specification.

### **Technical Specifications for filling of ALD Precursor(s):**

- 25 grams of TMA (Trimethylaluminum), min. 98%, CAS Number: 75-24-1, Molecular Formula:  $(\text{CH}_3)_3\text{Al}$ , filled in 50ml Swagelok cylinder. Cylinder for TMA should be 96-1070 standard Assembly of 50ml volume with  $\frac{1}{4}$ "VCR Male Ball Valve and Female Nut, for CVD/ALD.
- 25 grams of DEZ (Diethylzinc), min. 95%, CAS Number: 557-20-0, Molecular Formula:  $\text{Zn}(\text{C}_2\text{H}_5)_2$ , filled in 50ml Swagelok cylinder. Cylinder for DEZ should be 96-1071 High Temp Assembly of 50ml volume with  $\frac{1}{4}$ "VCR Male Bellows-Sealed Valve and Female Nut, for CVD/ALD.

### **Checklist for Technical Bid**

- The supplier or the source company must be capable of filling the precursors in an appropriate environment. Assurance that the purity of the precursors is not affected in the filling process must be provided by the supplier.
- Source of ALD precursor should be Strem Chemicals, Inc. or, Epivalence Ltd., UK as we have developed semiconductor processes using precursors from above mentioned sources only.

### **Terms and Conditions:**

- Evaluation will be done on the basis of technical specifications as per our tender notice.
- Financial bids will be open only for those, who meets all technical specification.
- Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
- All prices should be F.O.R IIT-Kanpur.
- Payment terms will be 90% payment within 30 days from the date of delivery and balance 10% will be released against installation.

6. Validity of quotation should be at least for 90 days.
7. Maximum educational discounts should be applied.
8. The delivery period should be 4 months.
9. Delivery must be completed within the period mentioned in tender document from the date of receipt of the order. Penalty @ 1% per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.
10. 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.
11. 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.
12. Incomplete tender or tender not conforming to any or all the above terms and conditions will be rejected.



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