



Indian Institute of Technology Kanpur National Centre for Flexible Electronics

Enquiry number: SCDT/FLEXE/2022-2023/07

Name of Tender : Purchase of Image Reversal Lift-off Resists (AZ 5209 E) Photoresist

Publishing Date : 10/01/2023

Closing Date : 20/01/2023 15:00 hrs

Bid opening date : 20/01/2023 16:00 hrs

Quotations are invited for the **Purchase of Image Reversal Lift-off Resists (AZ 5209 E) Photoresist**. Bid must be kept in a envelop which must be superscribed by **Name of Tender, Tender Reference number and bid submission end date**. The sealed copy of bid must reach to undersigned **by 20.01.2023**.

Quantity: 2 Litres or Minimum Order Quantity.

Technical Specifications:

1. The photoresist should respond to the whole UV-spectrum from 310 nm - 440 nm covering the three main mercury lines, i, h and g.
2. It should be possible to use the photoresist with broadband and monochromatic light sources.
3. The photoresist should be suitable for semiconductor fabrication with resolution down to 1 μ m.
4. It should be compatible with all common developers used for image Reversible photoresists like TMAH solution and AZ326 MIF metal ion free developers.
5. The photoresist should have low photo speed for better control of exposure (at least 10s at 15 mW/cm²)
6. Viscosity should be in the range of 30-35 cSt at 25°C
7. Should not contain aromatic or chlorinated solvents
8. Water content should not be more than 0.5%
9. It should be possible to attain thicknesses in the range of 0.6 μ m to 2.6 μ m.
10. The supplier should propose solutions which could be used for dilution and edge bead removal.
11. Post exposure bake for requirement.
12. All baking temperatures should be less than 120 °C and baking times should be less than 60 secs.

Terms and Conditions:

1. Technical evaluation will be done on the basis of information given by technical bid submitted by the bidders
2. The bidder should be the original equipment manufacturer (OEM) or its authorized dealer.
3. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer.
4. Quotation must indicate FCA / FOB or DAP prices.
5. Maximum educational discounts should be applied.
6. Payment terms will be Net-30.
7. Validity of quotation should be at least for 60 days.

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