

Indian Institute of Technology, Kanpur
Department of Aerospace Engineering

Inquiry no: AE/KP/2013/05

September 23, 2013

Date of Closing: October 07, 2013

Subject: Quotation for fabrication of wind tunnel model of Rustom-II UAV

With reference to above mentioned subject you are invited to submit the quotation to reach us before the closing date in a sealed cover to the address mentioned below. To get the fabrication drawings and for any other queries please send a request to **Dr. Kamal Poddar** at kamal@iitk.ac.in

The prospective fabricators are requested to send the quotation in two parts as “**Technical Bid**” and “**Financial Bid**”. The Technical Bid should contain the detailed technical specifications of the model to be fabricated including the machine bed size, specification and methodology to be followed for CMM analysis and contents of the CMM analysis report and the Financial Bid should contain the detailed cost of fabrication including the taxes, service charges if any, shipping and handling charges. Both parts of the quotation should be clearly and appropriately marked as “Technical Bid” and “Financial Bid”.

Terms and Conditions

1. Wind Tunnel Model has to be fabricated and assembled in all respects with required inspections in two months from the receipt of PO.
2. Vendor should have prior experience of carrying out fabrication of Wind Tunnel model for scaled down aircraft configuration. He should provide the required documents as a proof.
3. Vendor should have CNC milling machine capable of machining components of length up to 2m at once.
4. Vendor should have ISO 9001:2008 and AS9100C certification for manufacturing of precision components.
5. Acceptable Tolerances:
 - Wing span: +/- 0.5mm
 - Wing chord: +/- 0.2mm
 - Contour profilarity: +/- 0.05mm
 - All other features as per IS 2102(medium)
6. Surface finish has to meet following requirements:
 - All Aluminum components to be anodized.
 - All steel components to be electroplated.
 - Surface roughness should be less than 1 Ra.
7. Model will be accepted only after demonstration of its dimensional accuracy and overall integrity as per the requirement.

8. A report has to be submitted on the dimensional accuracy and overall integrity of the fabricated model based on CMM inspection.
9. Inspection should be done on individual components on fabrication site and the complete model after integration on fabrication site and test site as well.
10. Validity of the quotation should be atleast 90 days.
11. 100% payment will be made only after delivery of the accepted fabricated model.

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