

Indian Institute of Technology, Kanpur
Department of Aerospace Engineering

Inquiry no: IIT/DORD/UAV/AE/14-15/25 March 20, 2015

Closing date: 15th April, 2015

Subject: CFD Simulation of Unmanned Aerial Vehicle (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.

The scope of work is as mentioned below:

Part 1

Fuselage shape of the Solar powered UAV to be optimized for drag reduction. The different selected fuselage shapes to be studied using CFD simulations and best performing fuselage shape to be selected based on the CFD results.

Part 2

Preparing full scale CAD models and doing CFD simulations of different configurations of Solar powered UAV.

Sl. No.	Wing Span (metres)	Angle of attack α (deg)	Output
1.	6	0, 5, 10	C_L, C_D, C_M vs α
2.	12		
3.	18		
4.	24		

Part 3

Based on the data obtained in part 2, the design of the aircraft tail to be done by altering the tail size and location to get the desired optimum performance for each Wing span mentioned in part 1. Again the CFD Simulation of the final configurations thus obtained to be done at different angles of attack of 0, 5 & 10 degrees.

Terms and Conditions:

1. All quotation must reach undersign by April **15, 2015**. Late tenders will not be accepted.
2. Quotation must be valid till 90 days and only specified brand.
3. Delivery period will be 10 Weeks from the receipt of the purchase order. Extension delivery period is not allowed
4. Warranty should be properly mentioned in your proposal along with the technical details of the product.
5. Installation and demonstration should be done at site. Free services of installation should be provided on site for a period of one year
6. Enquiry will be sent by courier / registered post / speed post and IIT Kanpur will not be liable for any kind of irregularity/delay
7. A properly sealed envelope addressed to Dr. A. K. Ghosh invariably giving on the envelope reference of enquiry and due date of opening
8. Payment terms 90% against delivery and 10% after inspection and approval. For Foreign currency thorough LC. (Above USD 10,000)
9. The rate offer should be free delivery to IIT Kanpur (FOR) and current of taxes as other statutory levies must be mentioned. If items are imported then the firms should quote the price on F.O.B. basis.

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