

Indian Institute of Technology, Kanpur
National Wind Tunnel Facility

Date: February 16, 2018

Enquiry No. [NWTF/IITK/2018/22](#)

Closing Date: February 28, 2018 *Date Extended 05/03/18

Sealed Quotations are invited on the following address from the reputed Vendors/Fabricators for fabrication of CFRP 3bladed propeller with cone as per the following specifications.

Sno.	Configuration	Material	Qty
1	Propeller 1 with 19deg pitch angle with cone	CFRP	2 sets
2	Propeller 2 with 21deg pitch angle with cone	CFRP	2 sets
3	Propeller 3 with 23deg pitch angle with cone	CFRP	2 sets

Prospective Vendors/fabricators are requested to send their quotations in a sealed envelope within closing date.

Terms and Conditions

1. These propeller should withstand at 24000 RPM
2. Dynamic balancing of the propellers will be required.
3. CMM inspection of the propellers will be required
4. The vendor must have prior experience of manufacturing a mini UAV component.
5. Propeller has to deliver at IIT, Kanpur
6. Acceptable Overall Tolerances:
 - a. Blade chord, and span : +/- 0.05 mm
 - b. Leading edge and Trailing edge Profile: +/-0.05 mm
 - c. Accuracy inside hollow portion +/-0.05 mm.
7. Surface finish: Ra20
8. Propellers will be accepted only after demonstration of its dimensional accuracy and overall integrity as per the specifications.
9. A report has to be submitted on the dimensional accuracy and overall integrity of the fabricated model based on inspection.
10. Inspection of parts and assembly at fabrication site.
11. Validity of the quotation should be at least 60 days.
12. Full payment will be released after assembly of model at IIT and acceptance of the complete model.
13. CAD drawings of propellers will be provided by IIT, Kanpur

Address for the Quotation:

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