

**Indian Institute of Technology Kanpur**  
**Department of Aerospace Engineering**

Enquiry No. AE/KP/2016-17/Axial Flow Fan

Enquiry Date: August 09, 2016

Closing Date: August 22, 2016

Sealed Quotations are invited for the supply of axial flow fan with motor from the manufacturers/authorized dealers/suppliers:

<b>Item Details</b>	
<b>Axial flow fan with motor, Quantity - One</b>	
<b>Technical Specifications</b>	Details
Diameter of Impeller	900mm
Volume Flow	12.8 M3/sec
Static Pressure	600 pa
Total Pressure	817 pa
Operating Temperature	40 Deg. C
Speed	Greater than 1450 rpm
Shaft Power	12.51 Kw
Recommended Motor	15kw/4Pole
Air Velocity	20 m/sec

**SPECIFICATIONS:**

- The fan housing should be manufactured in Mild steel of minimum 6 mm thickness.
- End Flanges for the housing should have the same thickness as the housing. Flanges to be rolled integrally without welding to the outer periphery of fan housing
- Welded Guide vanes with minimum 6mm thick to support entire weight of impeller, motor, and the loads developed while fan is in operation
- Impeller with Aerofoil profiled blades for Maximum Efficiency
- Impeller blades to be Aluminum with steel reinforced design to enhance integrity and rigidity.
- Flange Mounted FLP motor (B5 Mounting) with Flying leads and without terminal box.
- Motor suitable for VSD
- Terminal box to be placed outside fan casing to avoid obstruction of Air flow.
- Efficiency of fan to be minimum 80%.

**Terms and Conditions for Supply of the Items listed in the above Table:**

1. All sealed quotations should reach the undersigned by **August 22, 2016**.
2. Validity of the quotations should be at least for **60 days**.
3. Delivery period within **08-10 weeks** from date of Purchase Order.
4. The supplied item should have at least **One Year Warranty**.
5. Please mention tax rates clearly, if applicable.
6. IIT Kanpur is exempted from excise duty.
7. Payment Terms: As per the Institute Rules i.e. 90% against delivery & 10% against successful installation.

**Address for the Quotation:**

Prof. K. Poddar

Aerospace Engineering Department

Indian Institute of Technology Kanpur-208016