

Wind Tunnel (open jet) made out of seasoned good quality teak wood and good quality water-proof and termite proof ply wood consisting of

- 1) Axial Fan Assembly to give 20m/sec wind speed in 1000mm x 1000mm Test section.
- 2) AC Motor and Controller
- 3) Fan duct
- 4) Expansion cone
- 5) Honey comb with (typical L/D of 1:8) made out of approx. 4 mm plywood
- 6) Settling chamber with S.S Screen (SS 304) with manhole provision for cleaning the mesh.
- 7) Contraction cone (contraction ratio between 7.5 and 9) with a square entry having curve profile with no curvature discontinuity
- 8) Test section with top opening and Acrylic windows on either side of the test section and turntable (manual) at the bottom of the test section
- 9) Motor stand and other supports for Fan duct, Expansion cone, Honeycomb, Settling chamber, Contraction cone and Test section for installing made out of M.S.
- 10) Freestream turbulence not exceeding 1%
- 11) Non-uniformity in velocity at the test section not exceeding 1%

ELIGIBILITY CRITERIA:

1. The Bidder's firm should be registered in India. (Necessary document proof should be submitted).

2. They should have at least 10 users from reputed academic institutions like IITs/IISc/NITs (CFTIs), ISRO, National Research laboratories in the last 10 years. Necessary document proof should be submitted along with minimum 3 performance certificates from South India purchases (Purchase order copies should be attached).