

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 16 /IWD/ED/45****SCHEDULE OF QUANTITY**

Name of work: Providing of one HVLS fan in community centre Type-II, IIT Kanpur

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supply, installation, testing and commissioning of HVLS fan of Dia meter 6.1m (20'), 1.5KW power motor , fan control IP 54 operation key pad on VFD standard power @50HS, 230/415V and 'F' class insulation , power coated mild steel frame satinless steel as per required complete.				
	General				
	Modle Number	XS.20			
	Diameter	6.1m(20')			
	Blade	Precision Airfoil			
	Number of Blades	5.00			
	Motor Power KW	1.50			
	Noise Level Apporx. (~dBA) at 6m	51.00			
	Installed Fan Weight (including mount) (Kg)	145.00			
	Operating Temperature	45 dgree Centimeter			
	Certification	CE-MD, LVC, EMC			
	Performance (at max speed)				
	Coverage (sq ft)	17,100			
	Maxi,um Effective Daimeter (m)	44			
	Construction				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Frame		Powder coated Mild Steel		
	Hub		Lase Cut, Powder Coated steel		
	Blades		6063T6 Extruded Anodized Aluminium		
	Blade end caps		Plastic Extrusion		
	Safety Components				
	Safety Cables		5 mm stainless steel		
	Guy wires		3 mm stainless steel		
	Safety Clamps		5 mm powder coated mild steel		
	Mounting				
	Universal Mount		2' drop Universal I-Beam clamp w/Swivel		
	Gear Motor				
	Type		CE Certified, Helicel Inline Reducer		
	KW		1.5KW		
	Insulation Class		F		
	Fan Control				
	Enclosure		IP54		
	Operation		Key Pad on VFD		
	Standard Power @ 50Hz (Standard / Operation)		230V/415V		
	6.1m (20') Aeroluft Series -XS.20 HVLS fan	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
2	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	3 x 4 Sq.mm..	30.00	Mtr		
3	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	32 mm	30.00	Mtr		
4	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	2.00	Nos.		
5	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	1.00	Nos.		
6	Providing and fixing casing and capping in place of defective and damaged wood batten including dismantling of betten and wire & relaying of wires as required complet.				
a)	25 x 16 mm	20.00	Mtr.		
	Total Rs.				