

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Dean of Infrastructure & Planning

NIT No.- QT/05-04-2024-01

N/W Servicing & maintenance work of rooftop and AHU exhaust fan, repairing of three phase CT, softner and chiller motor and replacement of CT fan blade insulation (pipe) etc. at Animal House Building

S.No.	DISCRIPTION	QTY.	UNIT	RATE	AMOUNT
1	Rewinding of three phase electric motor of following capacity including the supply of copper winding wire (Milan make), varnishing using Dr. Beck's varnish, testing, assembling and commissioning as required. (Old burnt wire shall be retained by the contactor.) complete as reqd.				
a)	Upto 2 HP, Mono block pump	1	Job		
2	Complete rewinding, repairing, of single-phase fume exhaust fan motor (ductable type) installed at Animal House bldg. including opening, dismantling from position and refixing as same complete with all reqd spares, bearing, capacitor and other associated works.	3	Job		
3	Repairing & overhauling of 7.5 HP three phase CT fan motor including cleaning, assembly fitting, greasing in both side of bearing in three phase electric motor with replacement of cooling fan & fan cover, terminal plate, oil seal, packing gasket, sealent, nut bolts etc complete as required.	1	Job		
4	Overhauling of centrifugal blowers of following size motor dismantling complete unit, checking and replacing damaged parts cleaning oiling, painting on reusted parts, greasing of bearing or movable parts, and reassembling, connecting testing and commissioning the complete unit as required.				
a)	For 2 HP motor belt driven centrifugal SISW blower	1.00	Nos		
5	Supply and fixing of speed controller /dimer for ductable type fume exhaust fan motor including ith pvc box, wire/cable, plug top, cablegland etc complete as required.	3	Job		
6	Supplying and fixing ball bearing of following size including dismantling defective bearing complete as required. (make-NBC / SKF) including dismantling the old bearing and depositing the same sectional store.				
a)	6205 2RS1/C3	2	Nos		

b)	6305 2RS1/C3	2	Nos		
c)	6307 2RS1/C3	1	Nos		
d)	6308 2RS1/C3	1	Nos		
e)	6309 2RS1/C3	2	Nos		
f)	LE-20	2	Nos		
7	Supplying and fixing taper-lock Pulleys including bush & key for AHU motor & blowers of following size including dismantling of defective pulley complete as required. (Make-Fenner/skf)				
a)	112/118 x 2 SPA	1.00	Nos		
b)	125 x 2 SPA	1.00	Nos		
8	Supplying and fixing of ' V ' belts size as mentioned below of approved make.				
a)	A-40	2.00	Nos		
9	Rotor - shaft and end cover repairing work by lathe machine etc, complete as reqd.	2	Job		
10	Providing & fixing of fan blade (aluminum alloy material) in cooling tower including with 06 nos fan blade, hub, clamp, nut bolts & washer etc. including dismantling balancing and re-installation etc. 7.5 HP CT fan motor at Animal House Building complete as reqd.	1	Nos		
11	Providing & fixing of thermal insulation with aluminium foil faced nitrile rubber Class 'O' sheet of following thickness on existing surface of duct with dentrite/adhesive etc.The joints shall be sealed with 50 mm wide and self-adhesive PVC/Aluminum tape complete as required.				
a)	13 mm	15.00	Sqm		
Total (in Rs.)					
GST					
Grand Total (in Rs.)					



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