

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
INSTITUTE WORKS DEPARTMENT
ELECTRICAL & AIR-CONDITIONING DIVISION

No. 43/AC/EE/2022/ 271

Dated 11-01-2022

QUOTATION NOTICE

M/s

Sealed quotations are invited from the empanelled contractor by the undersigned on behalf of the Director, IIT Kanpur for "Rejuvenation of old defective 2000 cfm AHU with ITC of 2600 cfm AHU & associated works at lab-3 BSBE bldg.." As per enclosed Bill of Quantity/ overleaf, so as to reach in this office on or before 18-01-2022 upto 3.00 PM and the quotation will be opened on the same day at 3.30PM in the presence of quotationers or their representative who want to be present.

The terms and conditions of the quotation are as under:

1. The quotations should be submitted
2. in a properly sealed envelop, addressed to the undersigned. The enquiry nos. and date should invariably quoted on the top of the envelop.
3. The time allowed for carrying out the above noted work is 28(Twenty Eight) Days.
4. The rates quoted should be exclusive of GST, no other tax is payable except GST. GST shall be applicable as per Govt. norms..
5. Security @ 7.5% shall be deducted from the bills which shall be released on successful completion of defect liability period of six months.
6. The estimated cost of quotation is **Rs.1,10,083/-**. The required earnest money of **Rs. 2202/-** is to be submitted in the form of FDR pledged in favour of the Director, IIT Kanpur alongwith the quotation. The earnest money of the unsuccessful quotationers will be returned within one month's time.
7. The quotations shall remain valid for 90 days from the date of opening.
8. Income tax will be recovered as per notification of Government from the bill and the amount so recovered will be deposited in the State Bank of India at the credit of the firm.
9. The earnest money/Security deposit will be regulated as per the norms of C.P.W.D.
10. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
11. The material should be used as per approved list of make.

QUOTATION

Sub: Rejuvenation of old defective 2000 cfm AHU with ITC of 2600 cfm AHU & associated works at lab-3 BSBE bldg.


S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
1	ITC only of Air Handling Unit (floor / ceiling type) with connecting from CHW line & ducting, VI Pads including Air blancing & other associated parts i/c lifting/shifting & cartage. complete as reqd.				
a)	2501-6000 cfm,4-6 R cooling coil.	1.00	Nos		
2	Dismantling & removing of Air Handling Unit (floor / ceiling type) with associated spare parts and disconnecting from CHW line & ducting i/c lifting/shifting & cartage etc complete as reqd.				
a)	AHU up to 2500 cfm ,4-6 R cooling coil.	1.00	Nos		
3	SITC of Variable frequency drive(VFD) of model no.FC-102/ Equvilant, with IP20, H2 RFI filter of make Danfoss/equivalent & Resistive Tempearature Device (RTD) Make-Omricon/ equvilant along with necessary Control/communication wiring in flexible condute in suitable wooden board along with necessary,insulated metal cover as req. etc in with following specifications complete as required				
a)	1.5 Kw	1.00	Nos		
4	P & F ,testing and commissioning Three Phase Starter suitable for Motor upto 1.0 - 7.5 HP Amp range 1.5 -9.3 A max, built in powder coated MS Box enclosure with Start - Stop push buttons etc complete as required.	1.00	Nos		
5	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	1.00	Nos		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
6	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
a)	0.63 mm (24 G) thick	3.00	Sq.M		
7	Dismantling and removing of existing old ducts of any size, i/c removing of hangers, flanges, damper, diffuser, grill and depositing in the sectional store complete as reqd.	2.00	Sq.M		
8	P & F of fire retardant double layer cloth canvass made (upto 300 mm wide) with heavy clothes and suitable frame with G.I washer, nuts & bolts in suitable size. i/c Zip as req. And jointing both sides with suitable gaskets complete as reqd.	0.50	Sq.M		
9	P & F of thermal insulation with aluminium foil faced XLPE Class 'O' insulation sheet of following thickness on existing surface of pipe/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	3.00	Sq.M		
10	P & F of accoustic insulation with open cell nitrile rubber sheet(Accosound) supersilence of following thickness, on existing surface with adhesive i/c nut,bot washer as req on duct.etc. complete as required.				
a)	10 mm	25.00	Sq.M		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
11	Cutting & Dismantling of condensor / chilled water pipe line of following size for drain out the water from supply & return pipe line and making good i/c patching/connection re-filling of water in pipe line ,testing & commissioning complete as required.				
a)	20 mm to 100 mm	1.00	Job		
12	Cutting and dismantling of damaged and defective MS'C' class pipe of size as mentioned below (exposed over the surface/ underground) i/c shifting the same to sectional store or desired location i/c cartage as required.				
a)	20 mm to 100 mm dia.	3.00	Mtr		
13	P & F , testing and commissioning of Butterfly valve CI body with SS Disc Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water with hand lever operated including nut, bolt, flanges, gasket and insulation of valve as kind of existing pipe etc complete as reqd				
a)	40 mm	3.00	Nos		
14	Supplying, fixing, testing and commissioning of following Y - STRAINER of Ductile CI Body flanged ends with stainless steel				
a)	40 mm	1.00	No		
15	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valve, MS Nipple, socket etc complete as required	2.00	Nos.		
16	Providing & fixing in position the mercury in glass industrial type thermometers.	2.00	Nos.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
17	Supply, laying /fixing, testing and commissioning of MS Heavy 'C' class pipe (IS :1239) of following sizes for chilled/ condenser water piping on surface / underground (including fabrication of bends / elbows, tees, reducers, sockets, unions etc) with wooden / PUF block, masonry support / MS angle-clamp two coats primer/ enamel paint, vibration isolators and fittings as per standard specification complete as required.				
a)	40 mm	7.00	Mtr		
18	Supplying & fixing, insulation on existing pipe overhead/ underground of following sizes with 25 mm thick Aluminium faced nitrile/ XLPE foam pipe section fixing with dentride and tightening of insulation section PVC tape to be wrapped all around the joints. of insulation etc complete as required.				
a)	40 mm	7.00	Mtr		
19	Providing & fixing of Thermal protecting layer (double coat) painting over exposed MS/copper pipe insulation outer surface with approved make chemical, shade and glass cloths as per standard specification complete as required.				
a)	40 mm	7.00	Mtr		
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Internal work - Exposed on wall)				
a)	32 mm nominal outer dia Pipes	3.00	Mtr		
21	Providing, laying, testing, and commissioning of following size Un-armoured PVC insulated Copper conductor power/control cable of following size on surface/recessed complete as required.				
a)	4 Core x 4.0 sq.mm	6.00	Mtr		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
22	Providing, laying, testing, and commissioning of following size FRLSH PVC insulated Copper conductor power/ controle single core cable/wire of following size on surface/recessed complete as required.				
a)	1 Core x 4.0 sq.mm	6.00	Mtr		
23	Supply and installation UPVC mini trunking(casing-caping) & flexible conduit of following size white-system with independent cover- without central partion etc. as reqd				
a)	UPVC trunking 20mm x 12mm	6.00	Mtr		
b)	Flexi Conduit 20 mm	4.00	Mtr		
24	Making wall opening upto 600mm dia in any type / thick of wall and re-closing the opening with brick, sand, cement and plaster upto 20 mm i/c re-painting as per existing desigine/shape complete as required.	1.00	Job		
	Sub total-A				
25	Buy back cost of existing Old damaged & defecative AHU /LLD Blower with associated parts and taken away from site Complete as required (excluding motors & cable etc).				
a)	2000 cfm	1.00	No		
	Sub total-A				
	G. Total (A-B)				


 अधिष्ठात्री अभियंता (का०) E.E. (A.C.)
 संगठनोद्वि०, मा०प्रौ० संस्थान, कानपुर
 I.W.D., I.L.T. Kanpur