

Query	Amendments
1 Outer skin inner skin thickness for AHU	Outer skin thickness : 0.6 mm precoated G.I Inner skin thickness : 0.6 mmm plain G.I
2 Fan outlet velocity	shall be around 9.16 m/s ( as per selection)
3 No. Of Person for witness testing of chillers at manufacturing	Four (4) Persons
4 Chiller testing points	100%. 75% , 50% , 30%
5 FCU specifications	Specifications given are standard and are available with approved list manufacturers
6 Makes	Updated list attached
7 AHU Static Pressures	Amendment in point No. 2 of BOQ

1	Please find below the updation for static pressures for AHU'S		
	<b>AIR HANDLING UNITS :</b>		
	Supply ,installation , testing and commissioning of double skin ceiling suspended air handling units. The AHU shall be consisting of fan section with <u>imported fan of Comeferi/Kruger or Nikotra</u> Make, motor, motor mounting arrangement, belt driven system, coil section with coil, filter section with filters, 1.2 mm SS 304,Double skin and insulated condensate tray,spring type of vibration isolators etc., complete as per specifications and drawing for the following capacities:		
	CFM R/D SP WC		
a)	AHU-(6400 cfm) , 4 R/D ,45MM	Nos.	4
b)	AHU-(6000 cfm) , 6 R/D, 45MM	Nos.	1
c)	AHU-(4800 cfm) , 4 R/D, 40MM	Nos.	3
d)	AHU-(4000 cfm) , 4 R/D,40 MM	Nos.	4
e)	AHU-(3400 cfm) , 6 R/D, 35MM	Nos.	2
f)	AHU-(3000 cfm) , 6 R/D,35MM	Nos.	8
g)	AHU-(2400 cfm) , 4R/D,35 MM	Nos.	8
h)	AHU-(2000 cfm), 4R/D,45 MM	Nos.	4
	AHU-(2000 cfm), 4R/D,35 MM	Nos.	10
i)	AHU-(1600 cfm), 4R/D, 30MM	Nos.	16
j)	AHU-(1000 cfm), 4R/D,25MM	Nos.	4
k)	FCU-(800 cfm), 4R/D	Nos.	12
l)	FCU-(600 cfm), 4R/D	Nos.	6

8 HOT water piping

Hot water piping shall be as per NIT BOQ with thermal insulation.

9 Density Of TF quality P.Styrene

25+ - 2 kg/cu mtr

**Dy. General Manager (Civil)**

LIST OF APPROVED MANUFACTURERS		
S.NO.	DESCRIPTION	MANUFACTURER
A	LIQUID CHILLER (SCREW)	CARRIER/TRANE /MACQUAY(DAIKIN),BLUESTAR
1.	AHU	EDGETECH / CARRYAIRE/CARRIER/ZECO
2.	FCU	EDGETECH / HI-TECH /ZECO / CARRIER
3.	AIR WASHER / SCRUBER	AMBESDOR / NUTECH/ HUMIDIN
4.	PROPELLER FAN	ALSTHOM-GEC / HAVELLS
5.	INLINE FAN	SYSTEMAIR / CARYAIRE / KRUGGER
6.	AXIAL FLOW FAN	KRUGER / GREENHECK / NUTECH/ HUMIDIN
7.	COOLING TOWER	BELL / MIHIR / PAHARPUR
8.	PIPES - MS	JINDAL-HISSAR/JINDAL-GAZI'BAD/TATA
9.	PIPES - GI	JINDAL-HISSAR/JINDAL-GAZI'BAD/TATA
10.	BUTTERFLY VALVES	ADVANCE / AUDCO/ C&R / A.I.P.
11.	BALANCING VALVES	ADVANCE / AUDCO/ C&R / A.I.P.
12.	A THREWAY VALVE FOR AHU	HONEYWELL/ANERGY/STAEFA/SIEMENS
B	THREWAY VALVE FOR FCU	HONEYWELL / STAEFA
13.	CHECK VALVE	ADVANCE C&R / A.I.P.
14.	GATE VALVES -GM	EMERALD /LEADER
15.	'Y' STRAINER/POTSTRAINER	RAPID COOL / EMRALD
16.	SUCTION GUIDE	ANERGEY INSTRUMENTS / EMERALD
17.	PRESSURE GAUGE	EMERALD / FIEBIG / H.GURU
18.	THERMOSTAT	HONEYWELL / STAEFA / SIEMENS
19.	THERMOMETER	EMRALD / H. GURU
20.	FLOW SWI	RAPID COOL / ANERGY
21.	GRILLES/I	SERVEX / CARYAIRE / TRISTAR
22.	FIRE & SMOKE DAMI	SERVEX / CARYAIRE
23.	PAN TYPE HUMIDIFIER	EMERALD / RAPID COOL
24.	MOTORS	ABB / CROMPTON / NGEF
25.	FILTERS (S	PUROLATOR / UNIDYNE
26.	MOTOR CONTROL CENTER	EAP / KEPL / SYSTEM POWER
27.	RP TISSUE	UP TWIGA / OWNES CORNING
28.	PIPE INSULATION	STYRENE PACKING/ PERFECT
29.	DUCT INSULATION(Closed Cell/ Nitrile)	PARAMOUNT / SUPREME / TROCELEEN
30.	REDOXIDE, ZINC CHROMATE PRIMER	ICI / BERGER
31.	CPRX	SHALIMAR / BERGER / ASIAN
32.	DASH FASTENERS	CANNON / CHETAK
33.	EXTRUDED ALUMINUM SECTION	MAHAVIR / JINDAL
34.	VIBRATION ISOLATORS :-	METALISTIK MOUNTS
35.	RIBBED RUBBER	RESISTOFLEX / EMERALD
36.	SPRING MOUNTS	EMERALD / RESISTOFLEX
37.	RUBBER GROUMAT/CLAMPS/HANGERS	EMERALD / RESISTOFLEX / KAWAL
38.	G.I.SHEET	BHUSHAN / SAIL / NIPPON
39.	PUMPS	KIRLOSKAR/ MATHER &PLATT/ BEACON
40.	HOT WATER GENERATOR	EMERALD/ RAPIDCOOL