Sr No	Description	Tender Requirement
	Make	All AHU's shall be provided with Euro vent certification. AHU selection document submission shall be done as per Euro vent compliance.
2	AHU Profile	Double Skin, in 16 swg anodized extruded aluminum hollow sections in thermal break profile and integral coving of minimum 15 mm. Self Supporting Hollow extruded Al. AHUs shall be airtight double skin construction confirming FN1886: 2007 and Filter shall be certified as per ISO16890/EN1822 standard.
ω	Corner and Section Joint Profiles	Heavy duty PVC Extruded sections with internal coving
		the AHU door shall be 650 mm. 300mm between coil and blower section to be
4	Panels	provided. App length of the AHU should be around 5000mm or more as per
5	Outer Skin of Panels	22 Gauge, 120 GSM Pre-plasticized / Pre-coated Outer Skin.
6	Inner Skin of Panels	22 Gauge SS-304.
7	Sandwich Insulation	CFC Free injected PUF of density not less than 40 Kg / M³ for NFLP unit.  Rockwool wool of density 96Kg / M³ for FLP Unit
ø	Coil Section Access Panel	Access panel along the coil section to be provided for condensate drain pan maintenance along with sliding type PVC mist eliminator. Minimum two pass sliding PVC mist eliminator is required after chilled water coil.
		Al. Frame with sealed gear arrangement, extended shaft, position markings, sealing and locking arrangement. Certificate of food grade gasket will be
9	Supply, Return, Fresh Air,	required. The air handling units (all dampers) shall have extruded aluminum aero foil Low Leakage , opposed type blade volume control dampers with extended shaft. Dampers shall have 16 G frame, 18 G blades suitable with
	bleed and by -Pass Damper	manual/automatic operation. Dampers shall be gear operated in construction and smooth in operation. All dampers shall be provided with extended stem for
		mounting of actuator with locking arrangement and percentage opening marking.
		Electrical Actuator mounting arrangement/provision for each damper shall be provided. All the dampers shall be operated from outside the AHII
10	Base Frame	100mm Base Frame, 2mm Thick Powder coated.
11	Screws / Nut Blots.	All Internal Screws and Nut boits III 55. All exposed ellus of the screws slight be
12	Gasket	All gasket shall be of Food Grade EPDM. Certificate of food grade gasket will be required.

27	26	25	24	23	22		21		20		19	18	17	16	ţ	ń	14	13	
Limit Switch and Inspection Lamps	Motor Efficiency	Motor Make	Motor	Canvass Connection	Assembly	Blower Motor Mounting	Flow Measurement		Selected Static Pressure 101	Fan Operating RPM at	Fan Make	Fan	-	Filter By-pass Leakage	Bridging	Transmittance and Thermal	Casing Air Leakage Test	Casing	Mechanical Strength of
incase of door opening. View window and wedner From Lamp, Control of the Lamp in all sections. Wherever AHU is flameproof then Lamp, Limit Switch and Lamp Switch should be of Flame proof design. Internal Cabling for the Limit Switch and Switch should be of Flame proof design. Internal Cabling for the Limit Switch and cabling at one point within the AHU to be provided. Limit Inspection lamp and cabling at one point within the AHU to be provided. Limit Switch and Lamp Switch should be of Flame proof design.	Blower section door to have protection guard and minime to be considered	Siemens / Abb / Crompton	cooled, Class F, with IP 55 protection induction motor. Flamebook wherever cooled, Should be compatible to VFD operation.	supported on brass frame work. Frame to be in Extruded aluminum.  3.15 +/- 10% voltage, 50 cycles, 3-phase squirrel cage, totally enclosed fan	weight of blower motor. Should have him e successful and some connection foundation.	Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted on Spring Vibration Isolator selected as Per Channel Frame Work mounted Isolator selected Isolator selected as Per Channel Frame Work mounted Isolator selected Isolator selected Isolator selected Isolator selected I	provided at min. 4 points on the suction cone each placed at 90° abart.  provided at min. 4 points on the suction and MS frame for motor mounting. C	Instrumented liller mily accural AHU body for easy access. Nozzle to be	VFD compatible.	Best efficient Fan to be selected so as to deliver rated fan CFM.Motor shall be	Nicotra / Punker / Ziehl-Abegg/EBM	specified.EC fans for NFLP areas.	no be less trief 73 db.  Direct Coupled Backward Curve Plug Fan for FLP areas . Spark proof wherever	F-9		EN 1886 T2 & TB2	EN 1880 L1	100011	EN 1886 D1
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Ta 19	Exhaust unit section shall be provided on the upper tier of the unit with provision for recirculation and once through with motorised dampers.	Exhaust Unit section	49
A CONTRACTOR OF THE CONTRACTOR	machine printout.		48
	Should be considered with automated equipment & should get report from	Leakage / Pressure testing	40
		Orain Pan Insulation	47
	Drain Pan length shall cover both CHW & HW coil.	Drain Pan	46
	Should be provided across each section of this should be provided across each section of the same section water stagnation.	Pressure Measuring Port	45
	After cooling Coil and Heating coll.	Port	4
	Dual Temperature Measuring Port silouid be provided in the manifest of the man	Temperature Measuring	4
	In 22 ga SS 304.	All Blank Off	43
	and taken for installation.		
	nitrogen gas condition at site. After witness by Client the pressure to be released	Coil Header	42
	Coil header with flanges to be provided. Coil to be supplied in pressurized		
	#2Kbr/BTLLto be considered on water as well as airside for selection connection.		
	rate escalations shall be provided at later stage. Fouling Factor of 0.0005	Coil Maximum Velocity	41
	provided. If coil selection demands more than 6 row, same to be provided. No		
	Maximum velocity should be 450 FPM & Minimum 6 Row chilled water coil to be		
	thick Sine Wave Al. Fins with hydrophilic coating, 12-13 fins per inch spacing	Cooling coil MOC	40
	end to be provided.  18 swg SS 304 Sheet Frame Work, 27 swg Copper Tube of 12.5 mm OD and 36	Flessdie Folis Actions	ęc.
		Procesure Ports Across Filter	20
	NON-WASHABLE NON-WASHABLE with provision of Silicon tube at other	F-8 Filter Media	38
	Filter media Washable.	G-4 Filter Media	36
	To not exceed 500 FPM	Filter Face Velocity	35
	for filter pleats. Media sealed with epoxy based sealant across the filter frame.	Filter Frame MOC	34
	Anndized Al. Extruded Section with EPDM food Grade rubber gasket. Al. spacers	Filter Make	33
	face area sizes to be selected.	1 11001 01200	26
	Filter of standard 610 mm x 610 mm, 610 mm, 610 mm x 610 mm, 610 mm, 610 mm x 610 mm, 610	Filter Sizes	22
	Tightened with Hard PVC Wing Bolt with inbuilt washer.	Filter Fixing Arrangement	31
	Threaded Inserts as per standard filter sizes on Al. frame work for filter lixing.	Eiltor Eiving Arrangement	2
	Flange Type	Filter Type	30
	In 16 ga. Anodized Aluminium Extruded Aluminium Section.	Filter Frame Work	29
	Equivalent Cable Management System to be provided.		100
	proof. The cabling should be done with double compression gland.Roxtech /	Cable Entry	380
	Thorough I be opening for VIDE ADMOLIDED cables with gland and shall be leak		

	As per clients requirement ()	AHU Color	52
			1)
	wherever required.		
rovided	Dehumidifier wheel section with 100% reactivation heater shall be provided	Dehumidifier section	50

