HVAC-AJ

	HVAC BOO	2	dente est	-					
Sr. No. Note:	Description Items  Prices shall be based on supply, installation, testing & commissioning (SITC) at site including all taxes, duties, transportation & insurance etc.	Unit	Qty	L	В	Н	Nos	QTY	REMA
1			440 T						
	CHILLED WATER TYPE CEILING SUSPENDED AHU (AIR HANDLING UNIT):					ja,	17 17 17		
1.1	CEILING SUSPENDED AHU: Supply and assembly of Ceiling Suspended Double skin cabinet type AHU								
	Integrated (Air handling units) of following specifications:  Frame Structure: It shall consist of 48mm Extruded Aluminium with thermal				i ir				
	break profile.  Panel: 45mm +/- 2mm thick double skin sandwich panels with rockwool insulation of density 64 kg/m3 or PUF insulation of 48 kg/m3, The sheet thickness shall be minimum 0.6 mm for the outer skin precoated and 0.8 mm thickness for the inner skin of plain GI.					pares			
	Filtration Section: It shall be provided with single stage washable type of prefilter 'MERV 8' first stage which shall be placed before coil section.		179						
	Coil Section: Chilled water coil Multi row deep constructed with Aluminium fins of min 0.11mm thick 12 Fins per inch, and copper tubes of min 27 Guage thickness HYRDOPHYLLIC coated fins. Copper tube shall be min 12.5mm diameter. AHRI certified coil. The coil face area velocity shall not exceed 2.5m/sec (500 fpm).  Drain Pan: Condensate drain pan shall be fabricated from 18G SS 304 powder coated, insulated with 13 mm thick closed cell elastomeric(nitrile	ST was find							
	rubber) insulation.  Fan Section: SISW / DIDW Direct drive backward curved fan. The fan section shall be provided with limt switch for safety to shut off fan during								
	Opening of access door. Fan outlet velocity not to exceed 1600 FPM. The sound level shall not be exceed more than 60dB @ 1m from the source.  Vibration isolators, Door Limit switch, UV Lamp as per Technical Specifications, AHU Summary Sheet and drawings. Total static pressue has to calculated by Contractor as per the configuration.								
	Other Details: AHU to house control box/ terminal box with Auto-Manual switch and incomer power terminal, with SPP, Over/ Undervoltage protection, shortcircuit protection and with no-nc contacts (potential free contact) to be provided for tripping on signal from Fire Dampers / Fire Alarm Panel. Power cable from Terminal box to motor & control cabling of required size upto the thermostat / sensor etc. to be provided. Internal electrical and control wiring of AHU to be provided as factory fitted from AHU supplier. The cost shall include all necessary supports & accessories required for installation.								
	Contractor shall design the chilled water coil according to the following conditions:  a. Coil air entering temperature - 75.4°F DB								
	b. Coil air leaving temperature - 54 deg. F DB/ 52.99 deg. F WB c. Chilled water temperature entering - 6.0 deg. C/ 42.8 deg. F d. Chilled water temperature leaving - 13.3 deg. C/ 55.9 deg. F Make: VTS / Zeco / Citizen	abhalas Chaire (bar							
	Type Capacity Tonnage ESP No. of (Cfm) TR (mm WG) Rows	44 A01 (02 40 -							1
a ,	CS AHU 3400 8.5 25 4/6			_	8			46	h.
ı.	GENERAL NOTES:  LHS & RHS VALVE station location to be confirmed.		187						
).	Fan outlet velocity - 1600 FPM	iowerse Isia senta	145.4	81			244		
	Contractor shall submit static pressure calculation for all above units to Client/Consultant.	istoria. Sa kaisa e	T The CALLS						
	Any change in motor HP shall be made at no extra cost to client.	Manage E	g is a ring o		14 g/s				
	Fan efficiency shall be minimum 75%  The cost shall be included liftting & shifting of each equipment / material with all necessary arrnagement. Also, it shall be included the cost of scaffloding required for Installation of such material / equipment.				10				d 200 1
	SUB-TOTAL	entransista est		Karajan					
	CHILLED WATER PIPING WITH INSULATION:						entered and	grander of the second	l as
-	the second control of	No. of Superior			-+				

Divest Tarifathi 30/05/24

	SITC of MS Heavy duty class 'C' ERW Chilled Water pipe conforming to IS 1239 - 2004 primer painted including bends, tees, MS supports, PUFF							
	saddles, anchor fasteners, steel angles and any other material required to			arms to see the	tena T			
	complete the work. The piping flange connection bolts, washers and nuts			en de la constitue so		An observed 40		
	should be hot dipped galvanised. Flourscent Plastic Sticker/ paint shall be			tan ba and game to	The second of the	E CONTRACTO		
	applied to indicate Water flow directions. Only End flanges to be used for		nor or or or or		a some	A THE RESERVE TO SERVE THE PERSON OF T		
	capping of pipes. "Table E" of BS code for flange thickness to be adhered.			a de la Talana	12 2	the second of the second	Tel	
	Make: Jindal Hissar / TATA	ings paids	track half		et avitet	S POST H	TENERA ES	3
10000	Φ 40 mm	Rmt	40	( 10 ( ) ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	The Land	State And Allianders and Allianders	executive to pre-	
а	Tap off point to CSU				-			
a	Pipe- 1	State and the same	3.3			2	7	
			3.3	944		2	7	
	Pipe- 1				100000000000000000000000000000000000000	2	12	
	Pipe- 2		6			-		
	Pipe- 2		6		-	2	12	
	Total Qty				Total		37.2	
	Previous Bill		(See 1987)	(S)() (4)	200		13.2	
	Present Bill						24	
2.2	CHILLED WATER PIPING INSULATION - INTERNAL USE			april a there is	Secretary)		mar migration	
	SITC of insulation for chilled water. piping.			risks of reliab		e i go 20	집 기 : 기 :	
	For internal pipe - Stick 25mm thick Nitrile rubber class "O" Closed cell			Page 1				
	nitrile rubber with anti-microbial coating on it. Insulation shall have Thermal		Alley Front	ng da ling i s		50 to 1	i i m	
	conductivity of 0.033 W/(m.K) and water vapor permeance of 0.10. Joints should be sealed with 50 mm wide 3 mm thick self adhesive tape and		\$ pr 6 f 4	a garage	a a se Tr	e is will a	the straight	
	putting PVC bands at all supports.		Par Valor		ggj, bar			
2 1 1410	Make: Armaflex & K-flex		e a language	4.0 6-5		Egalism Lan		
	Φ 40 mm	Rmt	40					
а	Tap off point to CSU			FI				
	Trup on point to Coo	-	-		<b> </b>			
	Disc. 1		3.3		<del> </del>	2	7	
	Pipe- 1					2	7	
	Pipe- 1		3.3	93 USS II	100	-		
	Pipe- 2	400 500	6		11 30 2 2	2	12	
	Pipe- 2	- 534	6	4 1		2	12	
				-20 F 10 / 20	1 1 2 2 2			
	Total Qty			Carrier Services	Total		37	/
	Previous Bill	Men Total	4.5-6	ning! Name!	135 E (N)	9 99	13.2	
	Present Bill	and the same	Set 188			Philipped)	24	
2.3	BALL VALVE	18: 37 17 97			S. Blanco	18 18 A B		5
	SITC of following sizes of Ball Valve consist of Cap, Brass Body, Rated for	76-13-6	March March	18 84 W. ht.	ant Al Co	17 11-101-1	room ragin	
	그리고 있는 그는 그는 그 가득하는 그는 그는 그는 그는 그는 그는 그는 그를 가고 있어야 한다는 것이 되었다. 그런 그래도 그렇게 되었다.		61.6	158-3-3 22-1199-	d says	100 TOTAL	30 6 Self 76	
	1150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass					1 1		100
	150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon"		Spatial and all shapes	Carlo Bridge	N. C. Santa	b white	14 A F E E	20
					Antonio Per se sac			
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon"							
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel				Netralia Netropysia Lateratus			
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.							
2	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz	Nos	4					
a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.	Nos.	4					
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz Φ 40 mm	Nos.	4			4	4	
a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz	Nos.	4			4	4	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz Φ 40 mm  Ball valve	Nos.	4			4		
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve	Nos.	4		Total	4	4	
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill	Nos.	4		Total	4	4 2	
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill	Nos.	4		Total	4	4	
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty  Previous Bill  Present Bill  BALL VALVE WITH Y-STRAINER	Nos.	4		Total	4	4 2	<u> </u>
	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty  Previous Bill  Present Bill  BALL VALVE WITH Y-STRAINER  SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap,	Nos.	4		Total	4	4 2	<b>→</b>
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece	Nos.	4		Total	4	4 2	
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill  BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and	Nos.	4		Total	4	4 2	\
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Tofal Qty Previous Bill Present Bill  BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof	Nos.	4		Total	4	4 2	\
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill  BALL VALVE WITH Y-STRAINER  SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended	Nos.	4		Total	4	4 2	
а	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill  BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet	Nos.	4		Total	4	4 2	<b>→</b>
a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill  BALL VALVE WITH Y-STRAINER  SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended	Nos.	4		Total	4	4 2	
a 2.4	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz		1		Total	4	4 2	
a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.	Nos.			Total	4	4 2	<b>\</b>
22.4	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Φ 40 mm  Ball valve  Totαl Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz  Φ 40 mm				Total		4 2 2	<b>→</b>
a 2.4	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz				Total	1	4 2	<b>\</b>
a a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Φ 40 mm  Ball valve  Totαl Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz  Φ 40 mm				Total		4 2 2	<b>\</b>
a a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz  Ф 40 mm  BALL VALVE WITH Y-STRAINER						1	
a a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz Φ 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz Φ 40 mm  BALL VALVE WITH Y-STRAINER				Total		1	
a a	body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Same valve shall be used as a Drain valve.  Make: Zoloto / Audco / Kitz  Ф 40 mm  Ball valve  Total Qty Previous Bill Present Bill BALL VALVE WITH Y-STRAINER SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body, Rated for 150 psi SWP, 600 psi WOG Pressure: Two-piece construction; with brass body, regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet with perforation.  Make: Zoloto / Audco / Kitz  Ф 40 mm  BALL VALVE WITH Y-STRAINER						1	

Divert Tribathi 30/05/24

	SITC of Pressure Independent Balancing cum Control Valves (PIBCV)								
allowed by	including integrated motorised control valve and balancing device for		-						
	Including integrated motorised control valve and balancing device for		April 1	4 7 77			ii sani		1904
	combined flow and water balancing requirement. Valve body to be rated					and the contract			
	for PN 16. The valve design flow rate should be factory calibrated with +/-		115					and the same	
	5% flow accuracy. Valve shall have necessary measuring ports, drain port,	1							
	flanges etc., Valve shall also provide temperature sensor with necessary			na.			a and By a d		
100	manges etc., valve shall also provide temperature sensor with necessary			100				te to the co	
	cabling (min 2mtr length to be considered with each valve). The balancing	1					100		
	to be done through microprocessor based hand held terminal / POT and								
	the same results shall be furnished in the water balancing report as part of			100				1 a	
		description		2.5		5-1	a 30 a	6.787	
	commissioning report and handing over manual.								
11,000	Make: Oventrop / Siemens / Danfoss							and the second	100
		No.	1					1	
а	Φ 40 mm	NO.				8. 11. 11			
а	PIBCV VALVES								
						Total		1	
	Total Qty					TOTAL			
	Previous Bill						-	0	
				571.53	alle day			1	1/
	Present Bill								
2.6	Auto Air Vent Valves		during the same			1 74.31			
	Make: Anergy / Flamco								
								1	
	Providing and fitting Auto Vent Valves.						<del>                                     </del>	-	
	SITC of Auto air vent in each risers & common headers & AHU. 3/4" auto	Nos.	2						
а	vent valves at each coil / riser/ header.	1405.	2				1. 446	2	
							17. 19		1 V
				$\vdash$				-	
а	Auto Air Vent Valves						-	-	7
						-			
	Total Qty	E 74 - 54 - 54 - 54 - 54 - 54 - 54 - 54 -				Total		2	
	Previous Bill	the state of			no.			0	/
					700			2	1
	Present Bill								$\sim$
2.7	SITC of Pressure gauges & Thermometers					it by set		is complete	16
2.7				Mar. 1					
	Make: H Guru / Waree	and the second							
	Necessary pressure gauges and thermometers 4" Dial type.	desir ved					Long.	35 1 3	
	Water Pressure gauges 150mm dial complete with gauge valves,	Bestlin Tulke:					2 179 1		1
	Water 1763301C gauges 15011111 utal complete with gauge 1501111	Nos.	2			1			
а	mounting, fittings and copper tubing extension wherever required.	1405.	2	1		1		2	1
	Pressure gauges Range 0-10 Kg/CM2			15.					
The second second	and the second	a seri baran a		- 101	> =	100	and the	E	V
	CITC of Description of Thermometers						1 1		7
a	SITC of Pressure gauges & Thermometers			-		+	1	<b> </b>	
		1			5.590				
		1							7 N
						Total		2	
	Total Qty			-		TOtal			
	Previous Bill	and the same of the same			-2.15			0	
								2	1
	Present Bill					+	+		
	Thermometers of the mercury in glass stem type and copper separable		ayld er in			8 =	1000		
The state of the s	Ill the state and at a finductrial grade mounting on water	Nos.	2						
b	well complete with guard etc., of industrial grade mounting on water	NOS.		1					
	lines. Length 9/12 inches, Thermometer, Range 0-50 deg C	and the second second					1	2	
							1		
								<del> </del>	<del> </del>
а	Thermometers of the mercury in glass stem	W. 10.W A. + 2.3						-	
VIII.	The second of th	and the same				-		0 1	3 - 1 -
				+					/
								A CALL	/
	Total Qty	THE PARTY				Total		2	V
			Language Service		- 3- KO	e access	100 100	0	remay sure
	Previous Bill		1.50	-					
	Present Bill				- 100			2	
	Thermowells	Nos.	4			1		4	
С	Hierinowells		ac species	+		1	1		
					1	-			
			TOTAL PROPERTY.						
				10.00	S - 3 52%	11 11 12 1	19 5.50	1.7	
				-	+	-	+	+	<del>                                     </del>
		MAY TO LAKE		I see	1				
7500-550	Total Qty					Total	A MARINE	4	/
			<b>†</b>		T	1	T	0	
				_					
	Previous Bill		Description of the last of the	1	100			4	V
	Previous Bill Present Bill							1	
7	Present Bill	Nos	RO	A areas					
d		Nos.	RO	A COLOR	-11/2			7	
d	Present Bill SITC of Brass Test Plug of industrial grade mounting on water	Nos.	RO	A species	-4: 5				
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE	Nos.	RO	A construction					
d 2.8	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE	Nos.	RO	4 22 22					
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and	Nos.	RO						
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be	Nos.	RO						
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by	Nos.	RO						
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be	Nos.	RO						
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also	Nos.	RO						
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also have a parallel line as a standby arrangement in case of block of primary	Nos.	RO					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also have a parallel line as a standby arrangement in case of block of primary pipe.	Nos.	RO						
2.8	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also have a parallel line as a standby arrangement in case of block of primary pipe.  Make: Supreme, Prince, Astral						4.	205 205 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
2.8 a	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also have a parallel line as a standby arrangement in case of block of primary pipe.  Make: Supreme, Prince, Astral  © 25 mm	Rmt	RO						
2.8	Present Bill  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tees & reducers etc. The insulation line to be insulated with nitrile rubber insulation of thickness 9mm and wrapped by weather proof protection tape. The Pipe wherever concealed should also have a parallel line as a standby arrangement in case of block of primary pipe.  Make: Supreme, Prince, Astral							100 (100 (100 (100 (100 (100 (100 (100	

Divosh Tempathi 30/05/24

a	Drain insulation			8				8	
				1 13 15 16					
	Total Qty				Berghi	Total		8	
	Previous Bill	1144			-, H = 1			0	
	Present Bill							8	V
	NOTES FOR PIPING:								
a	Cover all open pipe ends with muslin cloth during construction								
b	Pipe cleaning & chemical treatment as per specs shall be included in the piping cost.	er en							
С	Unit rates for all indicated sizes of pipes & valves shall be furnished.				0.000				1
d	Cleaning/Painting of pipe before insulation shall be included in piping cost.					65 L			
e	The piping support should be as per tender specification and additional supports are to be provided Contractor as decided by Consultant.			extents of					
f	All the valves shall be insulated with the same material as that of Chilled water pipng and cost of insulation for valves shall be considered.								
	SUB-TOTAL				. wat	Trouble of			
					3 - 1 B		\$ 17 cm	1. w 10 44	15
3	VENTILATION SYSTEM			Sec. 7, 117				t day sa	1602
3.1	KITCHEN DRY SCRUBBER					,	44.357	rect Marin	
	SITC of Dry scrubber – Electrostatic Air cleaner with starter panel as per specifications, suitable for following capacities, including electrical starter panel . The Air filtration efficiency should be between 90 to 95% & units shall be staked one above other or side by side as per site requirement, if vendor will propose multiple units.								
	Finishing - Power coated, Dark Blue Operating voltage - 220 Vac+/-10%, 50 Hz (Single phase)				Thursday		E. E. (A. 3/3)		
ogo llaces	Features - Short circuit, arc protection and auto restore power supply, BMS (Building Management System) terminals provided, Auto power cut-off when door is opened, Indicator LEDs for normal or wash indicator, Set of				1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1				
	Terminals for remote LED normal or wash indicator  Efficiency - Upto 95%, meets NIOSH 5026 Oil Mist Test								
	Particle Size - Collects particles as small as 0.01 microns				10/ 72/8	CERTIFIED TO			
	Motor - Sealead ball bearings UL, single phase.  Cell - Ionizing voltage - 12 KVdc					-			
- 1	Collector voltage - 6 KVdc		ALCOHOLOGICA STATE OF THE STATE				100		
1 100	One cell comprising of 9 ionizing wires and 25 collection plates	The same of the same			40.53	CONTRACT			1100
	Controls - Auto cut-off when door is opened. Indicator lights for fault, normal or wash function.					s difference supplied			
	Pre-filter - Aluminium mesh, washable Dry contact for BMS.								
	Make: Rydair / Espair CFM - 3000	No.	1					1	
		ne di une di No				12 . 1		- 14 546	
		erini e e	eggetal (1)						k _ s
						1	12 12 13		
(110-5				1					ļ
ON.	Total Qty				The second second	Total		1	
A STATE OF	Previous Bill		As a Tribert				3 1228 5	0	
	Present Bill							1	
	SUB-TOTAL					<b> </b>			
4	SHEET METAL WORKS:								1
4.1	FACTORY FABRICATED G.I RECTANGULAR DUCT								
	Supply, Fabrication, Testing, and Commissioning of Factory Fabricated GI Sheet Metal 120GSM Rectangular boxed ducting, Plenums, Cowls, Elbows with turning vanes, Splitters, Reducers, Flanges, Collars etc as per IS and Installaton as per SMACNA standards, The complete ducting shall be provided with MS Supports, Rods, Angles, Flanges, Bracing, Rubber Gaskets, Wooden frames, Canvas Connections, etc. as per drawings and specifications.		a tenti Vini d				The state of		
	GI Sheet Makes : Tata, Jindal, SAIL, Ispat	करणहास हो	8 Jabel 15			with the High	* Transfer		
-100 100	Make: Rola Star, Zeco & Ductofab		m Newson		1 1,50	57 5257	1001-0	to grad	
	18 Gauge GI Sheet Metal Duct (Above 2251mm & Plenum)	Sq.mtr	RO			1812 1811	Totals, 15		
а		Sq.mtr	30		N 31 1		ay olds . Tools		
a b	20 Gauge GI Sheet Metal Duct (1501-2250mm) & For Kitchen Works	CALLS CALLS	Section Williams		100	1			
b			0	3.0	0.6		4	7 20	4
	20 Gauge Gl Sheet Metal Duct (1501-2250mm) & For Kitchen Works  Duct-1 (650x400)		0	3.0	0.6		4	7.20 4.80	

Drugsh Tarbathi 30/05/24

		willy state of	1	4.0	0.3	116	4	4.80	
	3.5		100		Mary.	1 4 - 1	n prince		
	The second secon		M. W. St., III.	(1 S. 12	Year			1918 III.	
	DIK.	1 1 1 1 1 1 1 1					in a first	EST T	
			e ann a s						
To the same	Total Qty					Total		28.8	3
	Previous Bill		Haran VIII					14.4	J.
	Present Bill							14.4	
С	22 Gauge GI Sheet Metal Duct (751-1500mm)	Sq.mtr	10				1-1-1		
						in a Verigina		10 (0.00)	10000
a	Duct-1 ( 650x400 )		0	1.0	0.7		4	2.60	1.04
	The state of the s	District Section 1	The second	all the state		T LANGE		anne a face a	11.4
b	Duct-2 (650x400)		0	1.0	0.5		4	1.80	10.00
	The second secon	and a comple							
	No. of the control of		110000		THE RE			Table Memoria	
								10.0	
		<b>ļ</b>				ļ			
		<u> </u>				(			
	Total Oty								
	Previous Bill					Total		4.40	L
	Present Bill				30.75			2.2	
d	24 Gauge GI Sheet Metal Duct (0-750mm)	6	0-					2.2	
u	27 Guage of Sheet Metal Dutt (U-/SUMM)	Sq.mtr	90	4 SV 78	-			Control of the Contro	
а	Duct-1 ( 650x400 )	<u> </u>	<del>  </del>	+	-	<b> </b>	W. St. 128	10 (10, 11)	
u		Sey had	0	3.6	0.7		4	9.36	1
b	Duct-2 (650x400)		-	3.6	0.4	<del> </del>	4	5.76	
~			0	0.8	0.7	1	4	2.08	
С	Duct-3 (400x400)	0	0	0.8	0.4	-	4	1.28	
Marine Co.			0	2.6	0.4		4	4.16	
d	Duct-4 (400x400)		Victoria de	2.6	0.4		4	4.16	
		a militar in the	vi Augičani	1.3	0.4	Lance of the same	4	2.08	
e	Duct-5 (400x400)			2.5	0.4	N. Caller	4	2.08	117
1000		ation passes	an marin man	-	0.4		4	4.00	
f	Duct-6 ( 350X200)			3.4	0.4	3363	4	4.00	
				3.4	0.4	<b>-</b>	4	4.76	
g	Duct-7 ( 200X350)			12.0	0.2	1,332,00	4	2.72 9.60	
		STEE THE	-7,0	12.0	0.2	- A 1 1 1 1 1	4	16.80	-
	Total Qty			12.0	0.4	Total	4	72.84	
-	Previous Bill	- 74 - 129 -				Total		36.42	
	Present Bill							36.42	. /
1.2	EXTRUDED ALUMINIUM CEILING GRILLES							50.42	~
	Supply, Installation, Testing and Balancing of Powder coated aluminium								
	supply air grilles complete with removable inner core as per approved shop		Marine source of					des.	
	drawing and specifications. The area of grille can be of any geometrical	Sq.mtr	3				2.5	2.5	
	shape (Square/rectangular/Linear). The grilles shall be with 15/30/45° deflections as per requirement. The Colour shall be decided and approved		The second secon			THE STATE OF	2.5	2.5	
	by client and architect.								367
- <u>V</u> 1 - 40	Make: Cosmos, Air Master & System Air							10,31	
j.,								Q (F T NEST)	
Same			and the same						
	the second secon	arabarana sala							
	Total Qty					Total		2.50	
	Previous Bill	a CENTRAL PROPERTY	and the second	o magazina	Mark Miles		Service - 1	2.5	
	Present Bill							0	1
.3	DOOR TRANSFER GRILLE			Accident	na di panga				
= N	SITC of Aluminium extruded powder coated Door transfer grills.			14.4		1941	The state of the state of	(3 (1,3-1)	
	Door transfer grille (Back to Back)	Sq.mtr	0.5						
	Make: Cosmos, Air Master & System Air	ologia ding i	opiesti si	a yek n	r sg s	o Albanie,	e too pa	10	
		ristration.	all Books	p digital	43 - 12	1411166	F 18 03 80	- 1 - 2:3	
				contract contract	and a Smile				6-11-11-11-11-11-11-11-11-11-11-11-11-11
1,200					200				Property of the Con-
		an Julia Pilipo	AME CALC	195 10	12 to 1		27 17 50 62		
	Total Qty	New York				Total		-	product.
4 541	Previous Bill				es access	v. v		0	
	Present Bill							0	. /
	r reserri bili							UI	

Divest Teripathi
30/05/124

	SITC of opposed blade aerofoil type 1.2 mm thick Anodized Aluminium volume control dampers for ducts shall be provided with concealed gears, plastic operator and quadrants for manual control of volume of air flow and for proper balancing of the air distribution system as per the approved shop drawings and specifications.	Sq.mtr	1.5				1.5	5
	Make: Cosmos, Air Master & System Air		No. of the last	TO STORE SOL		th Kost Tribadyan-	1 10 to 10 t	
-2010				1 1 1 1 1 1 1				
	and the second							1
5					State of the state of			1
12.57				+-+				
-	Total Qty							
la compo	Previous Bill		and the same of		Tota	tolk statement	1.50	
10 100	Present Bill	the second secon			A new part of the		0	)
4.5	OPPOSED BLADE DAMPER						1.5	1
gar- nete	SITC of Aluminium Opposed blade dampers black powder coated vertical	Sq.mtr	1					
	blades type for supply air collar. The damper should be gear operated type.	J Sq.mu					1	
								1
				i Anak				
	7.110			6-34	Agordan Pag		100	7 1 3 2 3
	Total Qty				Total	A SERVICE AND A	1.00	
	Previous Bill			1114		eg garanta	0	
A.C.	Present Bill				NOTE BANK		1	-
4.6	CANVAS CONNECTION SITC of Elevible corporations between the company of the compan							
	SITC of Flexible connections between mouth piece of Fan and initial piece of ducting with inspection zip. Flexible connections shall be double thickness non-flammable material (Fire retardant type).							
a -	For AHU	No	1			1	1	-
-0.00	and the second of the second o					+	1	12 m
	A second second and the second		Lore is the					
	Part of the second of	Service Activities	A				to the object	
	man and the second					7 10	- T	
	Total Qty				Total		1.00	
	Previous Bill				Total		1.00	
e di estina	Present Bill						0	
b	For Kitchen Ventilation Fan	Nos.	RO				1	1
.7	CURTAIN TYPE FIRE DANGE							-
.,	CURTAIN TYPE FIRE DAMPER SITC of fire dampers consist of 16G GI frame, 20G GI interlocking blades				7 .	1000	a company	-
	secured with SS springs, blades outside airstream clamped with fusible link UL-555 listed with melting point 165 / 225°F, etc. as per the approved shop	Paga basas					Townson and	
1000	drawings and specifications	mi doga vija						
	Make: Carryaire / System Air / Dynacraft / Air Master			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		4		
3	drawings and specifications.  Make: Carryaire / System Air / Dynacraft / Air Master  Bare fire dampers	Sa mtr	1					7
a	Make: Carryaire / System Air / Dynacraft / Air Master	Sq.mtr	1				-	
a	Make: Carryaire / System Air / Dynacraft / Air Master	Sq.mtr	1				-	
3	Make: Carryaire / System Air / Dynacraft / Air Master	Sq.mtr	1					
3	Make: Carryaire / System Air / Dynacraft / Air Master	Sq.mtr	1				-	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty	Sq.mtr	1				-	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers	Sq.mtr	1		Total			
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill	Sq.mtr	1		Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill	Sq.mtr No			Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill		1		Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill				Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill				Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				Total		- 0	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				3.00		- 0 0 0 v	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				Total		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant.				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant. Muslin cloth cover for all air outlets during construction. Pressure testing of complete duct work as per DW/ SMACNA standard.				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant. Muslin cloth cover for all air outlets during construction. Pressure testing of complete duct work as per DW/ SMACNA standard. Silicon sealant for longitudinal & transverse joints as per specification.				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant. Muslin cloth cover for all air outlets during construction. Pressure testing of complete duct work as per DW/ SMACNA standard.				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant. Muslin cloth cover for all air outlets during construction. Pressure testing of complete duct work as per DW/ SMACNA standard. Silicon sealant for longitudinal & transverse joints as per specification. Diffusers & grilles shall be powder coated as per color approved by Architect.				3.00		- 0 0 0 1	
	Make: Carryaire / System Air / Dynacraft / Air Master Bare fire dampers  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill Fusible link as per specification UL 555  Total Qty Previous Bill Present Bill NOTES: The ducting support should be as per tender specification and additional supports are to be provided by Contractor as decided by Consultant. Muslin cloth cover for all air outlets during construction. Pressure testing of complete duct work as per DW/ SMACNA standard. Silicon sealant for longitudinal & transverse joints as per specification. Diffusers & grilles shall be powder coated as per color approved by				3.00		- 0 0 0 1	

Divest Tribathi 30/05/24

5.1									
J.1	THERMAL INSULATION	<b> </b>		-	<b> </b>		\$400.00	100000	
	Supply & fixing of Thermal insulation for supply air duct using 13mm thick			-					
	class " O " Closed cell nitrile rubber with anti-microbial coating on it.		and scale					13.5 1	
	Insulation shall have Thermal conductivity of 0.033 W/(m.K) and water	11 75 92 9	g6(84), e	ge a n	199		2010	St. 10031 11 1	
	vapor permeance of 0.10. Joints should be sealed with 50 mm wide 3 mm	Sq.mtr	65	1	213 AR		T Taylor	11.27 1 5 1	
	thick self adhesive tape. The duct shall be stick with recommended	alienia a jediš		All Mills	1.87	18 - A.			
	adhesive.	No. 2 N. T.	\$ F L	la Jesard	Mark.		9 95	ala o Pel e	ĺ
	Make: Armaflex & K-flex			0.00	K TIK		81 - au F 1	1 37 77 77	
		6 110 100		-		<del>                                     </del>	100 100	· · · · · · · ·	<del>                                     </del>
а	Duct-1 ( 650x400 )	_	0	3.6	0.7	<b> </b>	4	0.26	<del> </del>
	545.1 ( 050,4400 )		U					9.36	
b	Duct-2 (650x400)	2000		3.6	0.4		4	5.76	
<u>a</u>	Duct-2 (650x400)		0	0.8	0.7		4	2.08	
-				0.8	0.4		4	1.28	
С	Duct-3 (400x400)		0	2.6	0.4		4	4.16	19
			3-1-2	2.6	0.4		4	4.16	
d	Duct-4 ( 400x400 )	The second of the second	N, = χΔ,,	1.3	0.4		4	2.08	-
	The second secon			1.3	0.4		4	2.08	-
е	Duct-5 ( 400x400 )	alleged to the first	Chi Ant	2.5	0.4	ST PAGE	4	4.00	fritten vary
-				2.5	0.4	<u> </u>	4	4.00	
f	Duct-6 ( 350X200)					<del> </del>	-		
-				3.4	0.4	<del> </del>	4	4.76	
	Dust 7 (200V250)			3.4	0.2		4	2.72	
g	Duct-7 ( 200X350)		10/100	12.0	0.2	<u> </u>	4	9.60	
		- 23		12.0	0.4		4	16.80	
	10 jan	11-27	1			-			
	Total Qty					Total		72.84	
	Previous Bill	120	32 × ×					36.42	
491619	Present Bill						100000000000000000000000000000000000000	36.42	
5.2	ACOUSTIC INSULATION							30.42	~
				-					
	Supply & fixing acoustic insulation for ducting using Class "1" closed cell			1		1			
	elastomeric insulation of 10mm thick Nitrile rubber insulation adhesive,								
	longitudinal & transverse joints sealed with adhesive in neat & clean	Sq.mtr	10						
	manner. Material shall be processed Nitrile Rubber foam with anti-	Jq.ma	10				1 1		
	microbial protection. Insulation shall have thermal conductivity of 0.047	1					1 1		
	W/(m.K) and density of 140 - 180 kg/m <sup>3</sup> .								
	Make: Armaflex & K-flex					<b></b>			
				$\vdash$			<del>                                     </del>		
a	Duct-1 ( 650x400 )		0	10	0.7	<del> </del>	<del>                                     </del>	2.00	,
		<del>  </del>	U	1.0	0.7	<b> </b>	4	2.60	
b	D., + 2 / CTO, 400 )			-					
	Duct-2 (650x400)		0	1.0	0.5		4	1.80	
		1 1		1 1			1 1	1	
	Total Qty					Total		4,40	
	Total Qty Previous Bill					Total			
						Total		2.2	<u>,                                    </u>
5.3	Previous Bill Present Bill					Total			
5.3	Previous Bill Present Bill THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS					Total		2.2	
5.3	Previous Bill Present Bill THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting					Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre					Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on					Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM.	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.	Sq.mtr	55			Total		2.2	
5.3	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.	Sq.mtr		10	0.7	Total		2.2	
	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex	Sq.mtr	55	1.0	0.7	Total	4	2.2	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)	Sq.mtr	0			Total		2.2 2.2	
	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)	Sq.mtr		1.0	0.7		4	2.2 2.2 2.60 1.80	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)	Sq.mtr	0			Total		2.2 2.2 2.60 1.80 4.40	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qty  Previous Bill	Sq.mtr	0					2.2 2.2 2.60 1.80	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qty  Previous Bill  Present Bill	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qty  Previous Bill  Present Bill	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:  Insulation work to be coordinated with other agencies and repair to be included by contractor as per site requirement.	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:  Insulation work to be coordinated with other agencies and repair to be	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy Previous Bill  Present Bill  Note:  Usualizion work to be coordinated with other agencies and repair to be included by contractor as per site requirement.  Vendors to take care of the installation, if any damages takes place the vendor to repair or replace and hand over to clients in good and	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:  Insulation work to be coordinated with other agencies and repair to be included by contractor as per site requirement.  Vendors to take care of the installation, if any damages takes place the vendor to repair or replace and hand over to clients in good and acceptable condition.	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy Previous Bill  Present Bill  Note:  Usualizion work to be coordinated with other agencies and repair to be included by contractor as per site requirement.  Vendors to take care of the installation, if any damages takes place the vendor to repair or replace and hand over to clients in good and	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:  Insulation work to be coordinated with other agencies and repair to be included by contractor as per site requirement.  Vendors to take care of the installation, if any damages takes place the vendor to repair or replace and hand over to clients in good and acceptable condition.	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	
a b b. c.	Previous Bill  Present Bill  THERMAL INSULATION FOR KITCHEN VENTILATION DUCTS  SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Further, wire mesh along with 7 mil cloth shall be applied on above the insulation with proper adhersive. Nominal density: 32 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.  Make: Armaflex & K-flex  Duct-1 (650x400)  Duct-2 (650x400)  Total Qfy  Previous Bill  Present Bill  Note:  Insulation work to be coordinated with other agencies and repair to be included by contractor as per site requirement.  Vendors to take care of the installation, if any damages takes place the vendor to repair or replace and hand over to clients in good and acceptable condition.	Sq.mtr	0					2.2 2.2 2.60 1.80 4.40 2.2	

Divest Tailathi 30/05/24

6	ELECTRICAL WORKS:							
1						11.0		
6.1	STARTER PANEL				Sydia -			
	SITC of indoor / outdoor, wall mounting type 3PH, 415VAC MOTOR STARTERS IN CRCA SHEET STEEL ENCLOSURE with necssary supporting brackets and required accessories, etc., The Enclosure shall be provided with knockouts suitable for cable termination at TOP & BOTTOM for incoming and outgoing power cables of A2XFY type and size specified. The starters shall be complete with suitable MPCB/MCCB, Contactor, Bi-metal O/L relay with SPP, ON/OFF Push buttons, on / off / trip indication Lamp, on off push button, & phase indication Lamp. Selection of relay, contractor, MPCB/MCCB etc. as per Type-2 Coordination. Panel shall have provision to connect with BMS.							
а	Suitable for 3400 CFM AHU, DOL Starter Panel	No.	1			1	1	1
						1 98200		
	Total Qty				Total		1.00	/
	Previous Bill		- b-multiple				1	
	Present Bill	Water St Street					0	
6.2	POWER CABLING		il. Also					

Druesh Tonbalhi 30/05/24

Total Gly Previous Bill Suitable for 3000 CFM Dry Scrubber, 1 ph  Total Gly Present Bill Bill Bill Bill Bill Bill Bill Bill	Pre Sui	evious Bill esent Bill itable for 3000 CFM Dry Scrubber, 1 ph  ortal Qty evious Bill resent Bill ersthing:	Rmt	10			Total	10	9.00 9 0 10	
Previous Bill Present Bill Sutable for 3000 CFM Dry Scrubber, 1 ph  Total Cty Total Cty Previous Bill Present Bill B Earthing: S SWG Rmt 40 35 S SWG Rmt 40 35 S SWG  Total Cty Previous Bill Present Bill B Earthing: S SWG  Total Cty Previous Bill Present Bill B SWG  Total Cty Previous Bill Present Bill G S SWG  S SWG  Total Cty Previous Bill Present Bill G S STU METER Supply, fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic flow Meter b) Matched pair of temp sensor c) BTU Meter - 4 - 20mA DC from flowmeter Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (t/-) 15 K Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypal fockout security option. It also should be able to show various units such as gallons, ft-3, lbs, liters, m*3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  Total Cfy Previous Bill Present Bill  A CABE TERMINATION: Supply, & Making of Cable termination of armoured / unarmoured cables 1.1 kV grade including installation of cable glands, cable lugs (Aluminium for AZKF & copper for ZKF & YP Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, megaging values & submitting testing & commissioning of cables, megaging or of one end only).	Pre Sui	evious Bill esent Bill itable for 3000 CFM Dry Scrubber, 1 ph  ortal Qty evious Bill resent Bill ersthing:	Rmt	10				10		
Suitable for 3000 CFM Dry Scrubber, 1 ph  Total 10  Total 17  Previous Bill Present Bill Rarthing:  Rmt 40 35  SSWG Rmt 40 40 35  SSWG Rmt 40 40 40 35  SSWG Rmt 40 40 40 40 40 40 40 40 40 40 40 40 40	To Pro	ortable for 3000 CFM Dry Scrubber, 1 ph  ortal Qty evious Bill esent Bill orthing:	Rmt	10				10	10	
Total Qty Previous Bill Present Bill B B Earthing: Rmt 40 35 SSWG Rmt 40 40 35  Frey Color Bill Previous Bill Rmt 40 40 40 40 40 40 40 40 40 40 40 40 40	TO Pro	otal Qty evious Bill resent Bill arthing:								
Total City Previous Bill Present Bill B B Earthing: Rmt 40 35 SWG Total City Previous Bill Present Bill Present Bill B Total City Previous Bill Present Bill Present Bill A Total Previous Bill Present Bill B Total City Previous Bill Present Bill C Total Previous Bill Present Bill B Total City Previous Bill Present Bill B Total B Total City Previous Bill Present Bill C Total B Tota	Pro Pro b Ea	evious Bill resent Bill arthing:								
Previous Bill b Earthing: 8 SWG Rmt 40 335 8 SWG Rmt 40 35 8 SWG Rmt 40 335 8 SWG Rmt 40 305 8 SWG Rmt 40 40 40 40 40 40 40 40 40 40 40 40 40	Pro Pro b Ea	evious Bill resent Bill arthing:					Total		10.00	
Present Bill  Barthing:  Rmt 40 35  8 SWG  Total Qty Previous Bill Present Bill  But Metre Supply, fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) Flowcell Sensor d) Flowcell Sensor d) Flowcell Sensor linsertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 Ko, Display shall have if characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modibus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  No. 1  Total Previous Bill Present Bill  6.4 CABLE TERNINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZKY' & copper for ZKY' & Y' Pouble compression type), heat shrinklable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting severe of tests. (One set includes termination of all cores of one end only).	b Ea	esent Bill arthing:							10	
B SWG  8	b Ea	arthing:	101							
8 SWG  NIII  Total Qty Previous Bill Present Bill 6.3 BTU METER Supply,fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter -4 - 20mA DC from flowmeter Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240 V AC (+/-) 15 %. Display shall have 16 characters LOD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  Total Total Qty Previous Bill Present Bill 6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZKY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting			Dmt	40	$\vdash$		7 4	35	35	
Total Qfy Previous Bill Present Bill 6.3 BTU METER Supply,fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft-3, lbs, liters, m^3, kg etc Make: Honeywell / Danfoss / Siemens a Dia 40 mm No. 1  Total Qfy Previous Bill Present Bill 6.4 CABE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for ZXFY & Y Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, megaaring values & submitting seater of fater. (One set includes termination of all cores of one end only).			Kmt	40						
Total Qfy Previous Bill Present Bill 6.3 BTU METER Supply,fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft-3, lbs, liters, m^3, kg etc Make: Honeywell / Danfoss / Siemens a Dia 40 mm No. 1  Total Qfy Previous Bill Present Bill 6.4 CABE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for ZXFY & Y Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, megaaring values & submitting seater of fater. (One set includes termination of all cores of one end only).										
Total Qly Previous Bill Present Bill 6.3 BTU METER Supply,fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft'-3, lbs, liters, m^3, kg etc Make: Honeywell / Danfoss / Siemens a Dia 40 mm  Total Qfy Previous Bill Present Bill 6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for ZXFY & Ty Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting seater of stark. Copper strictleds termination of all cores of one end only).					-					
Previous Bill  Present Bill  6.3 BTU METER  Supply, fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts  a) Ultrasonic Flow Meter  b) Matched pair of temp sensor  c) Flowcell Sensor  c) Flowcell Sensor  c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/) 15  %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ftr3, lbs, liters, m³3, kg etc  Make: Honeywell / Danfoss / Slemens  a Dia 40 mm  Total Oily  Previous Bill  Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for 2XFY & Yf Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting severe of tests (Ones set includes termination of all cores of one end only).	1						Total		35.00	
Present Bill									3	0
Supply, fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts  a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  Total Oly Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 kV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for ZXFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting servers of facts. (One est includes termination of all cores of one end only).										<u> </u>
Supply,fixing and testing of inline Btu meter for the flow rate & temperature measurement consisting mainly of following 3 parts  a) Ultrasonic Flow Meter  b) Matched pair of temp sensor  c) Flowcell Sensor  c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15  %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens  a Dia 40 mm  Total Gity  Previous Bill  Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZYFY & copper for ZXFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting species of tests (One set includes termination of all cores of one end only).				-	-	-	+	+	+	1
a) Ultrasonic Flow Meter b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, fth-3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  No. 1  Total Gfly Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for AZXFV & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting sentent of the finding se	c	tupply fixing and testing of inline Btu meter for the flow rate & temperature						_		-
b) Matched pair of temp sensor c) Flowcell Sensor c) BTU Meter - 4 - 20mA DC from flowmeter Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m³3, kg etc  Make: Honeywell / Danfoss / Siemens a Dia 40 mm  No. 1  Total Qdy Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 kV grade including installation of cable glands, cable lugs (Aluminium for AZXFY & copper for ZXFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting senter of facts (One seri includes termination of all cores of one end only).	n	neasurement consisting mainly of following 9 pares			-		-	+	<b> </b>	
c) BTU Meter - 4 - 20mA DC from flowmeter  Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15 %. Display shall have 16 characters LCO display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens  a Dia 40 mm  No. 1  Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 kV grade including installation of cable glands, cable lugs (Aluminium for AZXFV & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting sentence of feets. (One set includes termination of all cores of one end only).	b	b) Matched pair of temp sensor			+-	+	1			
Insertion type flowmeter shall be suitable for chilled water application for temp. Ranging from 0 to 50 deg C. Power supply shall be 240V AC (+/-) 15%. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens  Dia 40 mm  No. 1  Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting senter of tests. (One set includes termination of all cores of one end only).	C	r) Flowcell Sensor		1	1					
temp. Ranging from 0 to 50 deg C. Power supply shall be 240V K(Y) 24 %. Display shall have 16 characters LCD display with Back light, flow rate, Velocity, totaliser etc. Output shall be BMS Modbus compatible & shall have keypad lockout security option. It also should be able to show various units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens  a Dia 40 mm  No. 1  Total Qty Previous Bill Present Bill  CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting secret of tests. (One set includes termination of all cores of one end only).	C	c) BTU Meter - 4 - 20mA DC from flowmeter								
units such as gallons, ft^3, lbs, liters, m^3, kg etc  Make: Honeywell / Danfoss / Siemens  a Dia 40 mm  No. 1  Total  Total  Total  Previous Bill  Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables termination of all cores of one end only).	t	temp. Ranging from 0 to 50 deg C. Power supply shall be 240 VAC (17) Is %. Display shall have 16 characters LCD display with Back light, flow rate,								
a Dia 40 mm  Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting execute of tests. (One set includes termination of all cores of one end only).		units such as gallons, ft^3, lbs, liters, m^3, kg etc								
Total Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting			No.	1					-	1
Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting	a	DIA 40 IIIII		-	+	+	+	_	+	
Total Qfy Previous Bill Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables of cab			-	+	+					
Total Qty Previous Bill Present Bill  6.4 CABLE TERMINATION: Supply & Making of Cable termination of armoured / unarmoured cables 1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables, meggaring values & submitting									1	.00
Previous Bill  Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables  1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting testing & commissioning of cables termination of all cores of one end only).		Total Qty					Total		1.	0
Present Bill  6.4 CABLE TERMINATION:  Supply & Making of Cable termination of armoured / unarmoured cables  1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting expects of tests. (One set includes termination of all cores of one end only).										1~
Supply & Making of Cable termination of armoured / unarmoured cables  1.1 KV grade including installation of cable glands, cable lugs (Aluminium for A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting control of tests. (One set includes termination of all cores of one end only).		Present Bill								
1.1 KV grade including installation of cable glands, cable lugs (Administration of A2XFY & copper for 2XFY & YY Double compression type), heat shrinkable sleeves on long ends, crimping paste etc. The work includes testing & commissioning of cables, meggaring values & submitting capacities of tests. (One set includes termination of all cores of one end only).	6.4	CABLE TERMINATION :	+							
testing & commissioning of cables, meggaring values & submitting consists of tests. (One set includes termination of all cores of one end only).		1.1 KV grade including installation of cable glands, cable logs (Administration of Cable glands, cable logs) (Administration of Cable glands,								
All crimping tools & dies shall be arranged by contractor.		aissigning of cables meggaring values & submitting								2
a Suitable for 2700 CFM AHU	а		Nos	5. 2	+	+	+	+		
0 3416376 751 211	a	Juliania in Elizabeth	_	-+-	_	+	-	_		

Trush Taipathi 30105/24

	Present Bill	A Charles						2	
6.5	CABLE TRAYS	The control	Des Signal	soul V	100			Z magazina wasa	
	Supplying & Fixing of following sizes of GI cable tray duly painted perforated type of height 50mm along with necessary bends, reducers etc. anchored along the wall / suspended from the ceiling with necessary MS supports.	REGIONAL SAN	Bracker (2) Su Sucre Su Sucre						
а	50mm wide	Rmt	5					5	
		gd St.	1487 Y. 167	19-14	Secretary		e tust	A characterist	
				4 7 5	E THE		iz w ngay		
	Total Qty			Helial I	A martial	Total		5.00	
	Previous Bill					Total		0.00	
	Present Bill							5	1/
-	SUB-TOTAL			3421				3	
	GRAND TOTAL								

Druck Tribathi 30/05/24

Polint Lord