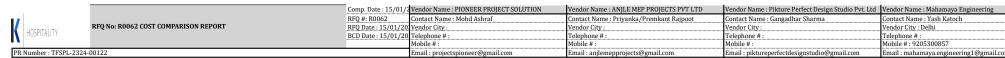
					Vendor Name : PIONEER P		Vendor Name : ANJLE MEP PROJECTS PVT LTD		Vendor Name : Pikture Perfect Design Studio Pvt. Ltd				
HOSPITALITY			RFQ #: R0		Contact Name : Mohd Ashr	af	Contact Name : Priyanka/Premkant Rajpoot		Contact Name : Gangadhar Sharma		Contact Name : Yash Katoch		
		RFQ No: R0062 COST COMPARISON REPORT			Vendor City :		Vendor City:		Vendor City:		Vendor City : Delhi		
			BCD Date : 15/01/20 Telephone # :				Telephone #:		Telephone # :		Telephone #:		
			Mobile #:				Mobile #:		Mobile #:		Mobile # : 9205300857		
PR Number : TFSPL-2324-00122			Email: projectspioneer@gmail.com				Email: anjlemepprojects@gmail.com		Email: piktureperfectdesignstudio@gmail.com		Email: mahamaya.engineering1@gmail.com		
		OQ for HVAC for Delhi T1-Subway Outlet	Round #: 3 (RFQ)				Round #: 3 (RFQ)		Round #: 3 (RFQ)		Round #:3 (RFQ)		
	rvesh Patil				Techanical Score :		Techanical Score :		Techanical Score :		Techanical Score :		
		Currency		Quotation Date :		Quotation Date :		Quotation Date :		Quotation Date :			
	. Item Code   Item Description			PRICE :.00	Quotation Validity Date :		Quotation Validity Date :	I	Quotation Validity Date :	1	Quotation Validity Date :	1	
Sr No.	Item Code	BOQ for HVAC for Delhi T1-Subway Outlet	UOM	Qty	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	
1		Note	NOS	1		4,93,360.00	)	4,39,690.00	)	8,43,125.00		7,28,550.00	
1		Prices shall be based on supply, installation, testing commissioning (SITC) at site						1					
2		including all taxes, duties, transportation insurance etc.						1					
30	2	CHILLED WATER PIPING WITH INSULATION											
		CHW PIPE											
31	2.1	CHWTHE		<del>                                     </del>									
	I	SITC of MS Heavy duty class C ERW Chilled Water pipe conforming to IS 1239 - 2004	l	1	1								
	I	primer painted including bends, tees, MS supports, PUFF saddles, anchor fasteners, steel	l	1	1								
	I	angles and any other material required to complete the work. The piping flange	l	1	1								
	I	connection bolts, washers and nuts should be hot dipped galvanised. Flourscent Plastic	l	1	1					I		1	
		Sticker paint shall be applied to indicate Water flow directions. Only End flanges to be											
32		used for capping of pipes. Table E of BS code for flange thickness to be adhered.											
33		Make Jindal Hissar TATA											
34		F 32 mm	Rmt	2.0	950	19,000,00	950	19.000.00	2150	43,000,00	1170	23,400,00	
35	2.2	CHILLED WATER PIPING INSULATION - INTERNAL USE		1 20	350	13,000.00	70.	15,000.00	2100	10,000.00	1170	25,100.00	
											1		
		SITC of insulation for chilled water. piping.											
		For internal pipe - Stick 25mm thick Nitrile rubber class O Closed cell nitrile rubber						1					
		with anti-microbial coating on it. Insulation shall have Thermal conductivity of 0.033 W						1					
		(m.K) and water vapor permeance of 0.10. Joints should be sealed with 50 mm wide 3											
36		mm thick self adhesive tape and putting PVC bands at all supports.											
37		Make Armaflex K-flex											
38		F 32 mm	Rmt	20	450	9,000.00	430	8,600.00	550	11,000.00	1000	20,000.00	
39	2.3	BALL VALVE											
		SITC of following sizes of Ball Valve consist of Cap, Brass Body, Rated for 150 psi SWP,						1					
		600 psi WOG Pressure Two-piece construction; with brass body, regular port, B-16						1					
		chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats and seals, blowout-						1					
	I	proof stem, vinyl covered steel handle, threaded or soldered ends and extended stem for	l	1	1								
40		insulated piping. Same valve shall be used as a Drain valve.											
41		Make Zoloto Audco Kitz											
42		F 32 mm	Nos.	3	3850	11,550.00	3250	9,750.00	2300	6,900.00	6000	18,000.00	
43	2.4	BALL VALVE WITH Y-STRAINER											
		SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body,											
	I	Rated for 150 psi SWP, 600 psi WOG Pressure Two-piece construction; with brass body,	l	l	1			1					
	I	regular port, B-16 chrome-plated ball and stem, replaceable "Teflon" or "TFE" seats	l	l	1			1					
	I	and seals, blowout-proof stem, vinyl covered steel handle, threaded or soldered ends	l	1	1								
	I	and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet	l	1	1								
44		with perforation.		<del></del>				<del> </del>	<u> </u>				
45		Make Zoloto Audco Kitz F 32 mm	ļ.,	<del>-</del>		,						40	
46			No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00	
47	2.5	PIBCV VALVES		-				-	<u> </u>	-	-		
1	I	SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including	l	1	1								
		part of rressure independent balancing cum control valves (ribCV) including	ı	1	1	I	1	1	1	1	1	1	
		integrated motorised control valve and balancing device for combined flow and water											

No.   Control	1		Note				1,10,00010		4,39,090.00		0,43,123.00		
1	1				<b>-</b>					-			
1	I I			1	1					1			
3   1	2				L								
Second Content of the Content of t			CHILLED WATER PIPING WITH INSULATION										
Second Column   Process	31	2.1	CHW PIPE										
Second Column   Process													
Second Column   Process	l		SITC of MS Heavy duty class C ERW Chilled Water nine conforming to IS 1239 - 2004	I									
Second Content of the content requires content requires content for each field flags to be content of the con	l I			I	l								
Section   Continue	l I			I	l								
Section   Company   Comp	l I			I	l								
1	1 1			I	l								
1	1 1			I	l								
1	32		used for capping of pipes. Table E of BS code for flange thickness to be adhered.										
1	33		Make Jindal Hissar TATA										
19   12   12   13   13   13   13   13   13			F 32 mm	Rmt	20	950	19 000 00	950	19 000 00	2150	43 000 00	1170	23 400 00
No.   Comparison of Adulation programs   Comparison   C		2.2		Kilit	20	330	17,000.00	730	13,000.00	2130	43,000.00	1170	25,400.00
The related layer 5-50-2 class and this Statistic mobile Case Of Closed of damin robber   1	35	2.2	CHILLED WATER FIFING INSULATION - INTERNAL USE										
The related layer 5-50-2 class and this Statistic mobile Case Of Closed of damin robber   1	l I			I	l								
A	l I			I	l								
Second Control	l I			I	l								
1	l I		with anti-microbial coating on it. Insulation shall have Thermal conductivity of 0.033 W	I	l								
1	l I		(m,K) and water vapor permeance of 0.10, Joints should be sealed with 50 mm wide 3	I	l								
1	26			I	l								
12	0.0			<del></del>	$\vdash$					<del>                                     </del>			
A						ļ							
ST   A				Rmt	20	450	9,000.00	430	8,600.00	550	11,000.00	1000	20,000.00
## STY of Holonograms and full Vilve counts of Care Rose Body Paulifer 159-ps 17V. Of 150 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1.00 (1970)   1	39	2.3	BALL VALVE										
Only 10 MD Pressure Tree-press construction with Franch body, regular year, \$1.50													
Only 10 MD Pressure Tree-press construction with Franch body, regular year, \$1.50			SITC of following sizes of Ball Valve consist of Can, Brass Body, Rated for 150 noi SWP	1	1					1			
Common planed and content agreed and and, the store of the plane of the angle of	1 1			l	ı		I			I		<b>.</b>	I
Prof.   Fig. 1   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997				1	1					1			
A				1	1					1			
A				1	l		I			I			
A	40		insulated piping. Same valve shall be used as a Drain valve.	I	l								
42   4   24   24   24   24   24   24				t —	$\vdash$								
STATE   STAT				N	-	00=0	44 666 00	00=0	0.750.00		6.000.00	,,,,,	40.000 ***
STC of flowing store of flows file X-10 A Valve with Y-St value received for A Start				NOS.	3	3850	11,550.00	3250	9,750.00	2300	6,900.00	6000	18,000.00
Rate for 15 pp 3NP, 60 pp 4NP (Program Two pieces constructive, with braze hody, register per 1.6 for the register per	43	2.4	BALL VALVE WITH Y-STRAINER										
Rate for 15 pp 3NP, 60 pp 4NP (Program Two pieces constructive, with braze hody, register per 1.6 for the register per			SITC of following sizes of Brass Ball Valve with Y-Strainer consist of Cap, Brass Body,										
Seglar part, R. F. Greene-plated ball and stem, replacable Telleria or TTF 'outs and sale, flowers that bands, freeded or active and sale, flowers that bands for the red to bands, flowers or active and sale and sale, flowers that bands or active and sale and sale, flowers that but and sale and sal	l I			I	l								
add seak, blowcup gred from, voigh covered stetch hands for proseptic School   4	I I			1	l								
An electrod stem for insulated prings. Piler demonst shall be of som magnetic SS sheet   S	I I			1	l								
44	l I			I	l								
Main	l I		and extended stem for insulated piping. Filter element shall be of non magnetic SS sheet	1	l								
F2 cm	44		with perforation.	I	l								
F2 cm													
STC of Pressure Judgemeler Bulleting over amount of the form of white and balancing defect of confined from a dwister the form of the fo	45		IMake Zoloto Audco Kitz	1	l .								
STTC of Pressure Independent Balancing cum Control Valves (PBCV) including integrated motorised control valve and balancing elevise for combined flow and vater balancing reports and balancing elevise for combined flow and vater with necessary control flower balancing reports and balancing elevise for a toward elegis flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve design flow vate and state of PRT is fine valve valves and state of PRT is fine valve design flow vate and state of PRT is fine valve valves and state of PRT is fine valves and state				No	1	4500	4 500 00	2050	2.050.00	FF00	F F00 00	10500	10 500 00
Integrated motorised control valve and bilancing queries for combined flow and water bulancing requirement. Valve body to be trade for PM IA. The valve design flow receives a dead be factory calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with the class valve. The bulancing to be considered with a charactery calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with necessary value flower with necessary value flower than the proportion of the propo	46		F 32 mm	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Integrated motorised control valve and bilancing queries for combined flow and water bulancing requirement. Valve body to be trade for PM IA. The valve design flow receives a dead be factory calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with the class valve. The bulancing to be considered with a charactery calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with necessary value flower with necessary value flower than the proportion of the propo	46	2.5	F 32 mm	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Integrated motorised control valve and bilancing queries for combined flow and water bulancing requirement. Valve body to be trade for PM IA. The valve design flow receives a dead be factory calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with the class valve. The bulancing to be considered with a charactery calibrated with *-5% flow accuracy. Natve shall have necessary with necessary value flower with necessary value flower with necessary value flower than the proportion of the propo	46	2.5	F 32 mm PIBCV VALVES	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Salancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory collinated with ~ 15. More accuracy vicile and with ~ 15. More accuracy vicile flower with necessary colling (min durfate length to be considered) with each valve). The factory is also provide temperature sensor with necessary viciling (min durfate length to be considered) with each valve). The factory is also provide temperature sensor with necessary viciling (min durfate length to be considered) with each valve). The factory is also provide temperature sensor with necessary viciling (min durfate length to be considered) with each valve). The factory is also provide temperature sensor with necessary viciling (min durfate length to be considered) and the valve balancing report and handle government.    48	46	2.5	F 32 mm PIBCV VALVES	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Solid be factory calibrated with +-5% flow scarcary. Valve shall alway excessary measuring profit campers are sonor with necessary calibing (min Zuri length to be considered with early valve). The solidancing to be done through interprotessor based hand betterminal PDT and the same results shall be furnished at the water blanking; peop of the profit of the same results shall be furnished and betterminal PDT and the same results shall be furnished at the water blanking; peop at a part of commissioning with necessary profit of commissioning and the same results shall be furnished at the water blanking; peop at a part of commissioning and the profit of the same results shall be furnished at the water blanking; peop at a part of commissioning and the same results shall be furnished at the water blanking; peop at a part of commissioning and the profit of the same results shall be furnished at the water blanking; peop at a part of commissioning and the profit of the same results shall be furnished at the water blanking; peop at a part of the profit of the same results shall be furnished at the water blanking; peop at a part of the profit of the profi	46	2.5	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Massaring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary calbing (min 2 marting the does onstroyal min (min 2 marting) to the considered with each valve). He balancing 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 commissioning report and handing over manual.  48   Make Pertury Siements Dialinos   Mo.   1   30500   30,50000   36500   36,50000   48,5000   48,5000   37,000.00    50   P.32 mm	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
With necessary achillar (min 2 rath length to be considered with each valve). The balancing to do do the trough introduced same results shall be furnished in the water balancing report and handled terminal POT and the same results shall be furnished in the water balancing report and handled terminal POT and the same results shall be furnished in the water balancing report and handled terminal POT and the same results shall be furnished in the water balancing report and handled terminal POT and the same results shall be furnished in the water balancing report and handled terminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled terminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled terminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled reminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled reminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled reminal POT and the same results shall be furnished in the water balancing report as part of commissioning report and handled reminal potential	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Balancing to be done through microprocessor based had held terminal FOT and the same results stall be farmisshed in the water balancing report and handing over manual.	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Same results shall be furnished in the water balancing report as part of commissioning report and handing over manual.	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
## Provided handing over manual.  ## Make Overtrop Siemens Danfols  ## Make Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Make Danfo	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
## Provided handing over manual.  ## Make Overtrop Siemens Danfols  ## Make Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Providing and fitting Auth Vent Valves  ## Make Overtrop Siemens Danfols  ## Make Danfo	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Make Overtrop Siemes Danfors	46	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing to be done through microprocessor based hand held terminal POT and the	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10.500.00
S   S   S   S   S   S   S   S   S   S	46 47	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall allo provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Signature   Sign	46 47 48	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.	No.	1	4500	4,500.00	2850	2,850.00	5500	5,500.00	10500	10,500.00
Make Anergy Flamo   STC of Auto air vent in each risers common headers AHU. 34 auto vent valves at each coil riser header:   STC of Auto air vent in each risers common headers AHU. 34 auto vent valves at each coil riser header:   STC of Frestwere gauges Thermometers   STC of Frestwere gauges Thermometers   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges and thermometers of the mercury in glass stem type and copper sperantive lucity of the stem type and copper sperantive lucity of	46 47 48 49	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss		1								
Make Anergy Flamo   STC of Auto air vent in each risers common headers AHU. 34 auto vent valves at each coil riser header:   STC of Auto air vent in each risers common headers AHU. 34 auto vent valves at each coil riser header:   STC of Frestwere gauges Thermometers   STC of Frestwere gauges Thermometers   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges and thermometers 4 Dial type.   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CMZ   STC of Frestwere gauges and thermometers of the mercury in glass stem type and copper sperantive lucity of the stem type and copper sperantive lucity of	46 47 48 49	2.5	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing to be done through microprocessor based hand held terminal POT and the same results shall be furnished in the water balancing report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm		1								
Froviding and fitting Auto Vent Valves	46 47 48 49 50		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing to be done through microprocessor based hand held terminal POT and the same results shall be furnished in the water balancing report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm		1								
STC of Auto air went in each risers common headers AHU. 34 auto went valves at each coll riser header.   No.   2   200   4,000.00   1850   3,700.00   3500   7,000.00   3800   7,600.00	46 47 48 49 50 51		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves		1								
St   Coll riser header.   Nos.   2   2000   4,000.00   1850   3,700.00   3500   7,000.00   3800   7,600.00	48 49 49 51 52		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco		1								
STC of Pressure gauges Thermometers   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2   Nos.   2	48 49 49 51 52		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Simems Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves.		1								
STC of Pressure gauges Thermometers   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges and thermometers 4 Dial type.   STC of Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2   Nos.   2	48 49 50 51 52		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + .5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each		1	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Make H Gur. Waree	48 49 50 51 52		F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + .5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Necessary pressure gauges and thermometers 4 Dial type.   Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 kg CMZ Nos. 2 1800 3,600.00 1450 2,900.00 3950 7,900.00 5000 10,000.00 Thermometers of the mercury in glass stem type and copper sparable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermometers, Range 0-50 deg C Nos. 2 1150 2,300.00 2050 4,100.00 2850 5,700.00 3500 7,000.00 60 Thermowells STITC of Brass Test Plug of industrial grade mounting on water Nos. 4 550 2,200.00 950 3,800.00 5500 22,000.00 3000 12,000.00 62 2.8 INSULATED CONDENSATE DRAIN PIPE STITC of UPVC pipes of following sizes for drain with necessary supports and fittings such as elbows, tese 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 shows a parallel line as a standby arrangement in case of block of primary pipe.	48 48 49 50 51 52 53	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. STIC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header.	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C  Nos. 2  1150  2,300.00  2050  4,100.00  2850  5,700.00  3000  7,000.00  60  SITC of Brass Test Plug of industrial grade mounting on water  Nos. 1  1650  1,650.00  1950  1,950.00  1850  1,850.00  2,500.00  2,500.00  2,500.00  3000  2,500.00  3000  2,500.00  3000  2,500.00  3000  2,500.00  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000  3000	48 48 49 50 51 52 53	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Second   S	48 49 50 51 52 53 54 555	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm  Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Futo air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers  Make H Guru Waree	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Second   S	48 49 50 51 52 53 54 555	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm  Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Futo air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers  Make H Guru Waree	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Second   S	48 49 50 51 52 53 54 555	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3.4 auto vent valves at each coil riser header. SITC of Pressure gauges Thermometers  Make H Guru Waree  Necessary pressure gauges and thermometers 4 Dial type.	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C Nos. 2 1150 2,300,00 2050 4,100.00 2850 5,700.00 3500 7,000.00 60 Thermowells Nos. 4 550 2,200.00 950 3,800.00 5500 22,000.00 3000 12,000.00 61 SITC of Brass Test Plug of industrial grade mounting on water Nos. 1 1650 1,650.00 1950 1,950.00 1850 1,850.00 2500 2,500.00 62 2.8 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 .	48 49 50 51 52 53 54 555	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Pressure gauges Thermometers  Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings	No.	1 2	30500	30,500.00	36500	36,500.00	48500	48,500.00	37000	37,000.00
Complete with guard etc., of industrial grade mounting on water lines. Length 9 12   Nos. 2   1150   2,300.00   2050   4,100.00   2850   5,700.00   3500   7,000.00	48 49 50 51 52 53 54 55 55	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Pressure gauges Thermometers  Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings	No.	1 2 2	30500	30,500.00 4,000.00	36500 1850	36,500.00 3,700.00	48500 3500	48,500.00 7,000.00	37000 3800	37,000.00 7,600.00
SITC of Brass Test Plug of industrial grade mounting on water   Nos.   1   1650   1,650.00   1950   1,950.00   1,950.00   1,850.00   1,850.00   2,200.00   3,000.00   1,200.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00   1,000.00	48 49 50 51 52 53 54 55 56	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3.4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers Make H Guru Waree  Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2	No.	1 2 2	30500	30,500.00 4,000.00	36500 1850	36,500.00 3,700.00	48500 3500	48,500.00 7,000.00	37000 3800	37,000.00 7,600.00
60 Thermowells Nos. 4 550 2,200.00 950 3,800.00 5500 22,000.00 3000 12,000.00 61 SITC of Brass Test Plug of industrial grade mounting on water Nos. 1 1650 1,650.00 1950 1,950.00 1850 1,850.00 2500 2,500.00 62 2.8 INSULATED CONDENSATE DRAIN PIPE  SITC of UPVC plees of following sizes for drain with necessary supports and fittings such as slows, test reducers etc. The insulation into 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.	48 49 50 51 52 53 54 55 56	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Fossure gauges Thermometers  Make H Guru Waree  Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150 mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well	No.	1 2 2	30500	30,500.00 4,000.00	36500 1850	36,500.00 3,700.00	48500 3500	48,500.00 7,000.00	37000 3800	37,000.00 7,600.00
61 SITC of Brass Test Plug of industrial grade mounting on water Nos. 1 1650 1,650.00 1950 1,950.00 1850 1,850.00 2,500.00 62 2.8 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 conceaded should also have a parallel line as a standby arrangement in case of block of primary pipe.	48 48 49 50 51 52 53 54 55 56 57	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coll riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 912	No.	1 2 2	30500 2000 1800	30,500.00 4,000.00 3,600.00	36500 1850 1450	36,500.00 3,700.00 2,900.00	48500 3500 3950	48,500.00 7,000.00 7,900.00	37000 3800 5000	37,000.00 7,600.00 10,000.00
62 2.8 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.	48 48 49 50 51 52 53 54 55 56 57	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coll riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 912	No.	1 2 2 2 2	30500 2000 1800	30,500.00 4,000.00 3,600.00	36500 1850 1450	36,500.00 3,700.00 2,900.00	48500 3500 3950	7,000.00 7,900.00 5,700.00	37000 3800 5000	37,000.00 7,600.00 10,000.00 7,000.00
62 2.8 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.	48 48 49 50 51 52 53 54 55 56 57	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coll riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 912	No.	1 1 2 2 2 2 4	30500 2000 1800	30,500.00 4,000.00 3,600.00	36500 1850 1450	36,500.00 3,700.00 2,900.00	48500 3500 3950	7,000.00 7,900.00 5,700.00	37000 3800 5000	7,600.00 10,000.00 7,000.00
62 2.8 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.	48 48 49 50 51 52 53 54 55 56 57	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coll riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 912	No.	1 1 2 2 2 2 4	30500 2000 1800	30,500.00 4,000.00 3,600.00	36500 1850 1450	36,500.00 3,700.00 2,900.00	48500 3500 3950	7,000.00 7,900.00 5,700.00	37000 3800 5000	37,000.00 7,600.00 10,000.00 7,000.00
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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.	48 48 49 50 51 52 3 54 55 56 57 58	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers  Make H Guru Waree  Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  SiTC of Dial of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C  Thermowells  SITC of Brass Test Plug of industrial grade mounting on water  INSULATED CONDENSATE DRAIN PIPE  SITC of DVC pipes of following sizes for drain with necessary supports and fittings such	Nos. Nos. Nos. Nos.	1 1 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	37,000.00 7,600.00 10,000.00 7,000.00 12,000.00
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63 block of primary pipe.	48 48 49 50 51 52 3 54 55 56 57 58	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves  Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3.4 auto vent valves at each coil riser header.  SITC of Pressure gauges Thermometers  Make H Guru Waree  Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2.  Thermometers of the mercury in glass stem types and copper separable well complete with gaude valves, mounting, fittings and complete with gaude valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2.  Thermometers of the mercury in glass stem types and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C  Thermowells  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, tese reducers etc. The insulation line to be insulated with nitrile rubber	Nos. Nos. Nos. Nos.	1 1 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	37,000.00 7,600.00 10,000.00 7,000.00 12,000.00
	48 48 49 50 51 52 53 54 55 56 57 58	2.6	F 32 mm PIBCV VALVES  SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3 4 auto vent valves at each coil riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9 12 inches, Thermowells  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 9 mm and wrapped by weather proof protection tape. The Pipe	Nos. Nos. Nos. Nos.	1 1 2 2 2 2 4	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	37,000.00 7,600.00 10,000.00 7,000.00 12,000.00
64 Make Supreme, Prince, Astrai	48 48 49 50 51 52 53 54 55 56 57 58 60 61 62	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 596 flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves. SITC of Auto air vent in each risers common headers AHU. 3.4 auto vent valves at each coil riser header. SITC of Pressure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4. Dial type.  Water Pressure gauges and thermometers 4. Dial type.  Water Pressure gauges 150mm dial complete with gauge valves, mounting, fittings and copper tubing extension wherever required. Pressure gauges Range 0-10 Kg CM2 Thermometers of the mercury in glass stem type and copper separable well complete with guard etc., of industrial grade mounting on water lines. Length 9.12 inches, Thermometer, Range 0-50 deg C Thermowells  SITC of Press proper plancing provides 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	Nos. Nos. Nos. Nos.	1 1 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	37,000.00 7,600.00 10,000.00 7,000.00 12,000.00
	48 48 49 50 51 52 53 54 55 56 57 58 60 61 62	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Fassure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and shermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  SITC of Fass Test Plug of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer Sets 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, tese 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. Nos. Nos. Nos.	1 1 2 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	7,600.00 10,000.00 7,000.00 12,000.00
	48 48 49 50 51 52 53 54 55 56 57 58 60 61 62	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Fassure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and shermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  SITC of Fass Test Plug of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer Sets 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, tese 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. Nos. Nos. Nos.	1 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	7,600.00 10,000.00 7,000.00 12,000.00
	48 48 49 50 51 52 53 54 55 56 57 58 60 61 62	2.6	F 32 mm PIBCV VALVES SITC of Pressure Independent Balancing cum Control Valves (PIBCV) including integrated motorised control valve and balancing device for combined flow and water balancing requirement. Valve body to be rated for PN 16. The valve design flow rate should be factory calibrated with + - 5% flow accuracy. Valve shall have necessary measuring ports, drain port, flanges etc., Valve shall also provide temperature sensor with necessary cabling (min 2mtr length to be considered with each valve). The balancing 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 commissioning report and handing over manual.  Make Oventrop Siemens Danfoss F 32 mm Auto Air Vent Valves Make Anergy Flamco Providing and fitting Auto Vent Valves.  SITC of Fassure gauges Thermometers Make H Guru Waree Necessary pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  Water Pressure gauges and shermometers 4 Dial type.  Water Pressure gauges and thermometers 4 Dial type.  SITC of Fass Test Plug of industrial grade mounting on water lines. Length 9 12 inches, Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer, Range 0-50 deg C Thermometer Sets 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, tese 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. Nos. Nos. Nos.	1 1 2 2 2 4 1	30500 2000 1800 1150 550	30,500.00 4,000.00 3,600.00 2,300.00 2,200.00	36500 1850 1450 2050 950	3,700.00 3,700.00 2,900.00 4,100.00 3,800.00	48500 3500 3950 2850 5500	7,000.00 7,000.00 5,700.00 22,000.00	37000 3800 5000 3500 3000	37,000.00 7,600.00 10,000.00 7,000.00 12,000.00



HOSPITALITY	RFQ NO: ROU62 COST COMPARISON REPORT			Vendor City : Telephone # :		Vendor City : Telephone # :		Vendor City : Telephone # :		Vendor City : Delhi Telephone # :	
11		DOD DUIL		Mobile # :		Mobile # :		Mobile # :		Mobile # : 9205300857	
PR Number : TFS				Email : projectspioneer@gr	nail.com	Email: anjlemepprojects@	gmail.com	Email : piktureperfectdesi	gnstudio@gmail.com	Email : mahamaya.engineer	ing1@gmail.com
	ame : BOQ for HVAC for Delhi T1-Subway Outlet			Round #: 3 (RFQ)		Round # : 3 (RFQ)		Round # : 3 (RFQ)		Round # : 3 (RFQ)	
Buyer : Sarvesh F	Patil			Techanical Score:		Techanical Score:		Techanical Score :		Techanical Score :	
Comp. #:3		Currency		Quotation Date :		Quotation Date :		Quotation Date :		Quotation Date :	
	a la		PRICE :.00	Quotation Validity Date :		Quotation Validity Date :		Quotation Validity Date :		Quotation Validity Date :	
Sr No. Item		UOM	Qty	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount		Amount
65 66	F 25 mm F 32 mm	Rmt Rmt	10	160 180	1,600.00	210 270	2,100.00 540	650 750	6,500.00 1,500.00	600 800	6,000.00 1,600.00
67	NOTES FOR PIPING	Kilit	- 4	100	300	270	340	/30	1,500.00	800	1,000.00
68	Cover all open pipe ends with muslin cloth during construction	+	<del>                                     </del>								
	The state of the s	1									
69	Pipe cleaning chemical treatment as per specs shall be included in the piping cost.										
70	Unit rates for all indicated sizes of pipes valves shall be furnished.										
71	Cleaning Painting of pipe before insulation shall be included in piping cost.										
==	The piping support should be as per tender specification and additional supports are to be provided Contractor as decided by Consultant.										
72	All the valves shall be insulated with the same material as that of Chilled water pipng an	d	<del>                                     </del>								
73	cost of insulation for valves shall be considered.	"									
74	SUB-TOTAL	1									
92 4	SHEET METAL WORKS										
93 4.1	GI SHEET METAL DUCTING										
	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 655 and installation 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										
94	drawings and specifications.										
95	GI Sheet Makes Tata, Jindal, SAIL, Ispat										
96	Make Rola Star, Zeco Ductofab		<u> </u>					,			1=222
97 98	22 Gauge GI Sheet Metal Duct (751-1500mm) 24 Gauge GI Sheet Metal Duct (0-750mm)	Sq.mtr	10	1450 1250	14,500.00 93,750.00	1340 1240		1750 1450	17,500.00 1,08,750.00	1700 1550	17,000.00
99 4.2	EXTRUDED ALUMINIUM CEILING GRILLES	Sq.mtr	/5	1250	93,/50.00	1240	93,000.00	1450	1,08,750.00	1550	1,16,250.00
99 4.2	EXTRODED REGISTROM CELETIC GREEKS	+									
	Supply, Installation, Testing and Balancing of Powder coated aluminium grilles complet	:e									
	with removable inner core as per approved shop drawing and specifications. The area										
	grille can be of any geometrical shape (Square rectangular Linear). The grilles shall be										
	with 15 30 45° deflections as per requirement. The Colour shall be decided and										
100 101	approved by client and architect.  Make Cosmos, Air Master System Air	+									
101	Square Rectangular Linear	Sq.mtr	4	8500	34,000.00	7850	31,400.00	3800	15,200.00	11700	46,800.00
103 4.3	OPPOSED BLADE DAMPER	oq.me	<del>                                     </del>	0300	34,000.00	7030	31,400.00	3000	13,200.00	11700	40,000.00
100 1.0	SITC of Aluminium Opposed blade dampers black powder coated vertical blades type fo	r									
104	supply air collar. The damper should be gear operated type.	Sq.mtr	12	5500	66,000.00	3650	43,800.00	9500	1,14,000.00	8200	98,400.00
105	Make Cosmos, Air Master System Air										
106 4.6	MULTI LEAF VOLUME CONTROL DAMPER										
	SITC of multiblade box type galvanised steel sheet volume control dampers for ducts to be provided with suitable links, levers and quadrants for manual control of										
	volume of air flow and for proper balancing of the air distribution system as per the										
107	approved shop drawings and specifications.	Sq.mtr	5	9500	47,500.00	6250	31,250.00	12500	62,500.00	9200	46,000.00
108	Make Carryaire System Air Dynacraft Air Master				,		, , , , , , , , , , , , , , , , , , , ,		,,,,,,		.,
109 4.7	EXTRUDED ALUMINIUM SQUARE AIR DIFFUSER										
	Supply, Installation, Testing and Balancing of Powder coated aluminium supply air										
	square diffuser complete with removable inner core as per approved shop drawing and specifications. The diffuser shall also be provided with Black painted GI opposed blade										
	damper (OBD) of required sizes. Each diffuser shall have double inlet rings to connect										
	flexible ducts. The diffuser shall be suitable for gypsum grid ceiling. The Colour shall be	1									
110	decided and approved by client and architect.										
111	Make Cosmos Ruskin Titus Air Master SQUARE DIFFUSER FOR GRID CEILING					ļ					
112 113	SQUARE DIFFUSER FOR GRID CEILING Supply Air Diffuser with OBD - Neck Size 250x250mm	Nos.	<del>  .</del>	3000	12,000.00	2650	10.600.00	9500	38.000.00	7800	31,200.00
113	Return Air Diffuser with OBD - Neck Size 250x250mm	Nos.	4	2000	12,000.00 8,000.00	2650 2450	9,800.00	9500 7500	38,000.00	7800 5700	31,200.00 22,800.00
115	SQUARE DIFFUSER FOR GYPSUM CEILING	1	<del>†                                    </del>	2000	0,000.00	2430	7,000.00	7300	30,000.00	3700	22,000.00
116	Supply Air Diffuser with OBD - Neck Size 250x250mm	Nos.	4	3000	12,000.00	2050	8,200.00	11500	46,000.00	7800	31,200.00
117	Return Air Diffuser without OBD	Nos.	4	2000	8,000.00	1850		10500	42,000.00	5700	22,800.00
118 4.8	CANVAS CONNECTION										
	Supply fixing of flexible Canvas connections between mouth piece and initial piece of										
110	ducting. Flexible connections shall be fire resistant made of closely woven, double layer canvass neoprene coated fibre glass.	1									
119 120	CHW AHU	No.	-	2500	2,500.00	2000	2,000.00	4500	4,500.00	4500	4,500.00
120	Cabinet Exhaust Fan	No.	1 1	2500	2,500.00	2250		4500 4500	4,500.00	4500 4500	4,500.00 4,500.00
122	Cabinet Fresh Air Fan	No.	1 1	2500	2,500.00	2250		4500	4,500.00	4500	4,500.00
123	NOTES	1	T	2500	2,0000	3200	2,230.00	1500	1,2 30.00	1500	-,555100
	The ducting support should be as per tender specification and additional supports are to	)									
124	be provided by Contractor as decided by Consultant.										
125	Muslin cloth cover for all air outlets during construction.										
126	Pressure testing of complete duct work as per DW SMACNA standard.  Silicon sealant for longitudinal transverse joints as per specification.	+	_								
127	Silicon sealant for longitudinal transverse joints as per specification.	+	-								
128	Diffusers grilles shall be powder coated as per color approved by Architect.	1									
129	SUB-TOTAL	1	1								
130 5	THERMAL INSULATION										
131 5.1	THERMAL INSULATION										

Vendor City : Delhi

154

neight 50mm along with necessary bends, reducers etc. anchored along the wall

uspended from the ceiling with necessary MS supports.

50mm x 50mm x 1.6mm Thick

100mm wide x 50mm x 1.6mm Thick

## Comp. Date: 15/01/2 Vendor Name: PIONEER PROJECT SOLUTION Vendor Name : ANJLE MEP PROJECTS PVT LTD Vendor Name : Pikture Perfect Design Studio Pvt. Ltd | Vendor Name : Mahamaya Engineering RFQ #: R0062 Contact Name : Mohd Ashraf Contact Name : Priyanka/Premkant Rajpoot Contact Name · Yash Katoch Contact Name : Gangadhar Sharma RFQ No: R0062 COST COMPARISON REPORT RFQ Date: 15/01/20 endor City: Vendor City: Vendor City: endor City : Delhi BCD Date: 15/01/20 Telephone # Telephone # : Telephone # : Telephone # : Mobile # : 9205300857 Mobile # : Mobile # Mobile # : PR Number : TFSPL-2324-00122 Email : projectspioneer@gmail.com Email : anjlemepprojects@gmail.com Email : piktureperfectdesignstudio@gmail.com Email: mahamaya.engineering1@gmail.com Package / RFQ Name : BOQ for HVAC for Delhi T1-Subway Outlet Round # : 3 (RFQ) Round #: 3 (RFQ) Round # : 3 (RFQ) Round #: 3 (RFQ) Buver: Sarvesh Patil Techanical Score : Techanical Score : Techanical Score : Techanical Score Currency :INR uotation Date : Quotation Date: Quotation Date : Quotation Date : BUDGET PRICE :.00 Quotation Validity Date Quotation Validity Date : Quotation Validity Date : Quotation Validity Date : Sr No. Item Code Item Description HOM Unit Price Amount Unit Price Amount Unit Price Unit Price Amount Otv Amount Supply fixing of Thermal insulation for supply air duct using 19mm thick class 0 Closed cell nitrile rubber with anti-microbial coating on it. Insulation shall have Thermal 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. The duct shall be stick with recommended adhesive. 7,500.00 17,500.00 9,000.00 9.200.0 133 Make Armafley K-fley 134 5.2 ACOUSTIC INSULATION Supply fixing acoustic insulation for ducting using Class 1 closed cell elastomeric nsulation of 10mm thick Nitrile rubber insulation adhesive longitudinal transverse joints sealed with adhesive in neat clean manner. Material shall be processed Nitrile Rubber foam with anti-microbial protection. Insulation shall have thermal conductivity of 0.047 W (m.K) and density of 140 - 180 kg m<sup>3</sup>. 1050 42,000.00 41,200.0 74,000.00 76,000.00 136 Make Armaflex K-flex THERMAL INSULATION FOR KITCHEN DUCTS 137 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 48 Kg CuM. Thermal conductivity, < 0.033 W m.K at 24 degC. All Insuation material and adhesives shall be as per Class I for surface spread and n accordance with BS 476. Class O for non-combustible grade Makes UP Twiga, Owens Corning, Supreme 139 140 25 mm Thick Sq.mtr 1050 31,500.00 21,900.0 2150 64,500.00 1400 42,000.00 141 SUB-TOTAL ELECTRICAL WORKS 142 143 Power Cable Supply, handling, laying effecting proper connections testing and commissioning of following sizes of 1.1 KV grade XLPE insulated FRLS Aluminium Copper conductor cables laid over MS supports cable racks or fixing on walls including clamping the cable to supports in an approved manner as required complete with Copper earthing as specified for continuous earthing along with cable. All complete as required and as per final instruction as given by Owners Consultants and as per Technical specifications. Earthing shall be measured separately and shall be connected in two runs. Power to ELCB to be provided near each ODU by electrical contractor. CU Armoured Cable for Suitable 2000 CFM AHU Fan, 3PH Fan 145 Rmt 2 750 00 250 1 250 00 2 875 00 CU XLPE Cable for EX Fan. 1PH Fan with Industrial Top Plug 350 350 146 Rmt 1,750.00 1,750.0 350 1,750.00 147 CU XLPE Cable for FA Fan, 1PH Fan with Industrial Top Plug Rmt 350 1,750.00 350 1,750.0 350 1,750.00 8 SWG GI Earthing 148 Rmt 150 1,500.0 100 1,000.0 750 CABLE TERMINATION 149 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 reports of tests. (One set includes termination of all cores of one end only). All crimping tools dies shall be arranged by contractor. CU Armoured Cable for Suitable 2000 CFM AHU Fan, 3PH Fan 151 1,100.00 1500 3,000.00 850 1,700.00 550 152 Supplying Fixing of following sizes of GI cable tray duly painted perforated type of

450

650

Rmt

Rmt

6,750.00

3.250.0

350

450

5,250.0

2.250.0

1050

1550

15,750.00

7.750.00