

ITEM NO	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT
1	SCHEDULE 1 : PRELIMINARY & GENERAL ITEMS					
1.001	Site Establishment & Clearance	Item	1			
1.002	Preparation of Operating and Maintenance Manuals	Item	3			
1.003	As-built Drawings	Item	1			
1.004	12 Months Guarantee and Maintenance	Item	1			
1.005	Programming of the Work	Item	1			
1.006	Testing, Balancing, Commissioning and Inspections	Item	1			
1.007	Equipment Submissions	Item	1			
1.008	Contract Drawings (Shopdrawing)	Item	1			
1.009	Rigging and Crane Hire	Item	1			
1.010	Equipment Labels	Item	1			
1.011	Training of Operations and Maintenance Personnel	Item	1			
	Any additional items of preliminary nature that the tenderer may wish to add to comply with requirements of the specification and/or bill of quantities. (To be listed hereunder by the Tenderer)					
i		Item	1			
	Contractor to be present at all site meeting at least on a two weekly basis and more frequently as buildings become ready/ available for installations.					
1.012	Safety File	Item	1			
	CARRIED TO FINAL SUMMARY		R			

ITEM NO	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT
	SCHEDULE 2 :					
	EQUIPMENT, ACCESSORIES & DUCTING					
2	NEW HVAC INSTALLATIONS: EQUIPMENT AND ACCESSORIES					
	Chillers					
	Air cooled scroll chillers					
2.001	Supply and install AIR-COOLED SCROLL CHILLER - 250kW cooling. Firmly support chiller units on a 150mm high plinth with support brackets and steel rods as per industry best practice. Water temperatures - 6.0 °C/12.0 °C, Power source (93,13kW) : 3PH,400V/50Hz. Ambient Temperature - 35 °C	No	2			
	Chilled Water Air Handling Units (Close Control Units)					
2.002	Supply and install CHILLED WATER AIR HANDLING UNITS - 142kW cooling (Selected at nominal conditions - CW 22°C/ 50%, 35°C Ambient) for c/w Evaporator coils (copper tube with aluminium fins), Pleated washable G4 filters, Wiring to externally mounted terminal boxes, Electronic Expansion Valves, Carel Microprocessor Controller, Full length stainless steel drip tray below coil. Firmly support units on a 150mm high plinth with support brackets and steel rods as per industry best practice. Power source: 3PH/400V/50Hz.	No	2			
	Accessories:					
2.003	Drainage piping connections installed complete	No	2			
2.004	Electrical distribution board c/w breakers, contactors, etc for 2 chillers, 2 close control units & 1 x fresh air fan, wiring, isolators, overload protection, lightning protection, etc	No	1			
2.005	Water/ Flood Detection Systems in Floor Voids	No	1			
2.006	Open Floor stands (up to 600mm)	No	2			
2.007	BaCNet Ethernet/ IP Interface Card	No	1			
2.008	Spare Filter set	No	2			
2.009	Electric Heating	No	2			
2.010	Temperature Sensors/ Controllers	No	2			
2.011	Humidification c/w humidity sensors & controllers	No	2			
2.012	Ducted Fan Fresh Air Supply (90 l/s @ 150 Pa) c/w filter cowl, filters, 250 x 250 sheet metal ducting (6m long), external louvre, 150 x 150 grilles (4-off), all electrical wiring, isolators, overload protection, etc including minor builder's work.	No	1			
2.013	600 x 600 Floor Grilles - natural anodised aluminium	No	19			
	Piping & Fittings					
	Insulated and Cladded Chilled Water Piping					
2.014	Supply and installation of Schedule 40 chilled water pipe work including all pipe work, fittings, bends, tees, hangers, klambons, fixing equipment, insulation, cladding, painting as per specification and tender drawings. Size 50mm	m	80			
2.015	Piping cover & supports for externally installed piping	Item	Sum			
	CARRIED TO FINAL SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT
Schedule No	SCHEDULE 3:					
	FINAL SUMMARY					AMOUNT
	1	PRELIMINARY & GENERAL ITEMS	Item	Sum		
	2	NEW HVAC INSTALLATIONS: EQUIPMENT AND ACCESSORIES	Item	Sum		
	CARRIED TO FORM OF TENDER (EXCL. 15% VAT)		R			-