

SUBJECT : BILL OF QUANTITIES

BILL No. 4: GAS SUPPRESION IDC 1 SERVER ROOM

Item	Description	Unit	Qty	Tariff	Amount
1	Supplied installed and commissioned: ANALOGUE ADRESSABLE DETECTION SYSTEM				
1.1	10 AMP POWER SUPPLY UNITS	No	1		R 0.00
1.2	UNIVERSAL NODE AND NETWORK CARD	No	1		R 0.00
1.3	SMS COMMUNICATOR AND INTERFACE	No	1		R 0.00
1.4	FIRE RATED CABLING PH30	m	70		R 0.00
1.5	GALVANIZED LOOP WIRING CONDUIT AND COUPLINGS	m	50		R 0.00
1.6	POWER SUPPLY CABLING	m	15		R 0.00
1.7	STEEL SPRAGUE AND ACCESSORIES		item		
1.8	SIGNAGE AND LABELING		item		
2	ANALOGUE ADDRESSABLE SMOKE DETECTORS AND BASES				
2.1	Optical detectors in Floor-void with floor brackets	No	3		R 0.00
2.2	Optical detectors in ceiling void below slab	No	3		R 0.00
2.3	Optical detectors below ceiling	No	3		R 0.00
2.4	CEILING LEDS	No	3		R 0.00
2.5	SOUNDERS AND FLASHING BEACON SETS.	No	2		R 0.00
2.6	SIRENS	No	3		R 0.00
2.7	LINE ISOLATORS	No	0		R 0.00
2.8	GAS DISCHARGE FLASHING EVACUATION SIGNAGE	No	1		R 0.00
3	GAS SUPPRESSION SYSTEM				
3.1	GAS CYLINDER & VALVE ONLY MANIFOLD, ORIFICE UNIT, DISTRIBUTION PIPEWORK, SUPPORTS AND NOZZLES INCLUDING CYLINDER CAP AND RACKS AS REQUIRED	No	5		R 0.00
3.2	5 CYLINDER MANIFOLD PIPING ETC COMPLETE	No	1		R 0.00
3.3	GAS NOZZLE DEFLECTOR SHIELDS	No	5		R 0.00
3.4	CYLINDER STAND	No	1		R 0.00
3.5	GAS DISCHARGE TEST (5 CYLINDERS)	No	0		R 0.00
3.6	ROOM INTEGRITY TEST	zones	1		R 0.00
3.7	PRESSURE TESTING	sets	1		R 0.00
3.8	GAS DISCHARGE PRESSURE SWITCH INSTALLATION ;	No	1		R 0.00
3.9	GAS RELEASE INSTALLATION ;				
3.9.1	ANALOGUE ADDRESSABLE GAS CONTROL	No	1		R 0.00
3.9.2	ANALOGUE ADDRESSABLE GAS STATUS UNITS	No	0		R 0.00
3.9.3	GALVANIZED OVERPRESSURE RELIEF FIRE DAMPERS (INCLUDING FRAME AND PLEATED WASHABLE DUST FILTERS AS WELL AS ALUMINIUM LOUVER)	No	1		R 0.00
3.9.4	600x600 EGG CRATE CEILING GRILLE	No	2		R 0.00
TOTAL CARRIED FORWARD					R 0.00

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Item	Description	Unit	Qty	Tariff	Amount
TOTAL FROM PREVIOUS					R 0.00
4	VESDA HSSD SYSTEM				
4.1	VESDA LASER FOCUS UNITS	No	1		R 0.00
4.2	VESDA LASER FOCUS SAMPLING PIPEWORK	m	10		R 0.00
4.3	PROGRAMMING OF VESDA UNITS	No	1		R 0.00
4.4	VESDA SYSTEM POWER CONNECTIONS	m	10		R 0.00
4.5	VESDA CAPILARY TUBES AND SENSING POINTS		Item		
5	INTERFACING				
5.1	HVAC INTERFACE (3 CHANNEL) UNITS	No	1		R 0.00
5.2	3-WAY FRESH AIR SHUT DOWN INTERFACE	No	1		R 0.00
5.3	3 - WAY INTERFACE WITH HVAC SAM UNIT	No	0		R 0.00
5.4	INTERFACE UNITS TO DAMPERS	No	1		R 0.00
5.5	POWER SUPPLY INTERFACE UNITS	No	1		R 0.00
5.6	GAS PRESSURE SWITCH INTERFACE (SINGLE)	No	1		R 0.00
5.7	VESDA 3-WAY INTERFACE	No	0		R 0.00
6	P&G				
6.1	SITE ESTABLISHMENT		item		
6.2	SITE VISITS				
6.2.1	DESIGN VERIFICATION		item		
6.2.2	SYSTEM INSTALLATION		item		
6.2.3	SYSTEM TESTING		item		
6.2.4	HANDOVER		item		
6.3	OPERATION & MAINTENANCE MANUALS (4 COPIES)		item		
6.4	FIRST YEAR MAINTENANCE (4 VISITS - FULL TESTING)		item		
6.5	FIRE SEALING (Allow for 2m x 0.5 m)		item		
7	5 kg CO2 FIRE EXTINGUISHERS INCLUDING MOUNTING BOARDS	No	0		R 0.00
8	Any Item not listed (Specify)				
TOTAL CARRIED TO SUMMARY - ITEM 4					R 0.00