

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b><u>1.38 MECHANICAL SERVICES</u></b>				
	<b><u>Measurement of Pipeworks in connection to gas piping</u></b>				
	<b><u>Equipment</u></b>				
1.38: 1.2.0.0	Primary Equipment; Off-load Oxygen bottle; 1104m <sup>3</sup> oxygen capacity; 2,025 litres net liquid capacity mounted in plant room	Nr	1		
1.38: 1.2.0.0.1	Primary Equipment; Off-load vacuum pump; Blower, free air dispenser 2,763 litres /minute capacity 500mm Hg, 380v rating, 1140rpm rating, Vee-Belt 7.5kw motor drive, 1 nbr 1000 litres capacity Reservoir mounted on roof	Nr	2		
1.38: 1.2.0.0.2	Primary Equipment; Off-load oxygen cylinders; cylinders; 6.82m <sup>3</sup> / 6,820 litres oxygen net liquid capacity mounted in plant room	Nr	44		
	<b><u>Primary Equipment; Assemble all Composite items of primary equipment</u></b>				
1.38: 1.3.0.0	Oxygen Cylinder; 6,820 litres capacity	Nr	44		
1.38: 1.3.0.0.1	Vacuum pump; free air dispenser 2,763 litres /minute	Nr	2		
1.38: 1.3.0.0.2	Oxygen bottle; 1,104m <sup>3</sup> oxygen capacity	Nr	1		
	<b><u>Pipework</u></b>				
1.38: 3.1.1.1	Pipework; Straight; Corrugated Stainless Steel Tubing, 25mm diameter jointed with relative connectors, clipped and fixed to wall and ceiling Surface from the Gas Cylinder in risers to the 1st, 2nd, 3rd & 4th ward; in accordance to the Engineer's detailed specifications and manufacturer's details	m	490		
	<b>Carried to Collection</b>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b><u>Pipework: Cont'd</u></b>				
1.38: 3.2.1.1	Pipework; Curved; Corrugated Stainless Steel Tubing, 25mm diameter jointed with relative connectors, clipped and fixed to wall and ceiling Surface from the Gas Cylinder in risers to the 1st, 2nd, 3rd & 4th ward; in accordance to the Engineer's detailed specifications and manufacturer's details	m	74		
1.38: 3.3.1.1	Pipework; Flexible; Stainless Steel flexible hose, 25mm diameter comprising flange nut, Gasket and retainer ring fixed to adjoining pipes running from the modular in risers to the first, second, third and fourth ward; in accordance to the Engineer's detailed specifications and instructions	m	21		
	<b><u>Alternative 1- Pipe fittings</u></b>				
1.38: 4.1.2.0	Unions; 25mm diameter Stainless Steel unions screwed to edges of pipe	Nr	98		
1.38: 4.8.2.0	Reducing union; 50mm diameter Stainless Steel screwed to edges of pipe	Nr	14		
1.38: 4.5.2.0	Tees; 25mm diameter Stainless Steel tees screwed to edges of pipe	Nr	23		
1.38: 4.9.2.0	Test points; 25mm diameter Stainless Steel test points screwed to edges of pipe	Nr	16		
	<b><u>Pipe Ancillaries</u></b>				
1.38:5.1.1.0	Safety valves, 2 stage regulator 200/20/10 bar opening at 60 bar, 25mm diameter	Nr	3		
1.38:5.1.1.0.1	Change over valve pressure falls to 12.5 bar, safety valve opens at 5.85 bar, 25mm diameter	Nr	5		
	<b>Carried to Collection</b>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b><u>Pipe Ancillaries; Cont'd</u></b>				
1.38:5.1.1.0.2	25mm diameter isolating valve	Nr	5		
1.38:5.11.1.0	pipe sleeves, 50mm diameter stainless steel; butt weld only	Nr	8		
	<b><u>Identification:</u></b>				
1.38: 14.5.0.0	Symbols or numbers for identification of pipes, valves, ducts and gas cylinders	Item			
	<b><u>Testing</u></b>				
1.38: 17.0.0.0	Allow for testing of all works carried out in this section	Item			
	<b><u>Commissioning:</u></b>				
1.38: 18.0.0.0	Allow for commssioning of all works carried out in this section	Item			
	<b>1.41 Builder's Work in connection with gas piping and supply system</b>				
1.41:1.1.0.0	General Builder's work in connection with; gas piping and supply System; making good of all points with c:s mortar	Item			
1.41:2.1.0.0	Marking position of holes, mortices and chases in the structures; walls and floors to the Engineer's instructions	Item			
	<b>Carried to Collection</b>				-
	<b>COLLECTION</b>				
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	<b>PAGE 03</b>				
	<b>GAS PIPING</b>				
	<b>CARRIED TO SUMMARY</b>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b><u>1.40 TRANSPORTATION</u></b> <b><u>Measurement of Transportation systems (Lifts)</u></b> <b><u>and associated items</u></b>				
	<b><u>Equipment</u></b>				
1.40:1.1.0.0	System; OTIS Lift, 1800 x 2200mm size 8 passengers, 1200kg capacity, 10 stops and 10 openings with shaft; 8 storey; complete with accessories, controls, indicators, speakers and other components	Nr	2		
1.40:1.2.0.0	System; Offload and position of OTIS lift, 1800 x 2200mm size according to the Engineer's instruction	Nr	2		
1.40:1.3.0.0	System; Assembly of compl. items of 1200kg capacity OTIS lift, according to the manufacturer's specifications and Engineer's instructions	Nr	2		
1.40:1.4.0.0	System; Free issue fixing, steel work and other components for 1800 x 2200mm size OTIS Lift installation by others as may be directed by the engineer	Nr	2		
1.40:1.5.0.0	System; Allow for interface with and Connection to 1200kg capacity OTIS lift supplied and installed to power by others as may be directed by the engineer		Item		
	<b><u>Identification and Symbols</u></b>				
1.40:3.5.0.0	Allow for symbols or numbers at the openings of the lift		Item		
	<b><u>Testing and commissioning</u></b>				
1.40:4.0.0.0	Allow for Testing and commissioning of lift system		Item		
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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>1.41 Builder's Work in connection to transportation installations</b>				
1.41:1.1.0.0	General Builder's work in connection with; lifts system installation; making good of all points with Cement:Sand mortar	Item			
1.41:2.1.0.0	Marking position of holes, mortices and chases in the structures; walls and floors to the Engineer's instructions	Item			
	<b>Carried to Collection</b>				-
	<b>COLLECTION PAGE 04 PAGE 05</b>				
	<b>TRANSPORTATION CARRIED TO SUMMARY</b>				-