

SCHEDULE 6 : RESERVOIR CONCRETE WORK						
ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
6	SABS 1200G	<u>CONCRETE WORK</u>				
		<u>Concrete</u>				
	8.4.2	Blinding layer in class 15MPa/19mm to a minimum thickness of 50mm underneath structures				
6.1		i) Reservoir	m ²	1425		
	PSG 6.4	No fines concrete (NF19) to a minimum thickness of 80mm underneath structures, complete with mortar seal				
6.2		i) Reservoir	m ²	1425		
	8.4.3	<u>Strength concrete - class 35MPa/19mm</u>				
6.3		i) Reservoir floor slabs and footings	m ³	600		
6.4		ii) Reservoir walls	m ³	400		
6.5		iii) Reservoir roof slabs and columns	m ³	750		
6.6		iv) Valve chamber floor slabs and footings	m ³	6		
	8.4.3	<u>Strength concrete - Class 25 MPa/19mm</u>				
6.7		i) Reservoir apron slab	m ³	20		
6.8		iii) Valve chamber walls	m ³	15		
	8.4.3	<u>Strength concrete - class 15MPa/10mm Mass concrete to:</u>				
6.9		i) All structures (provisional)	m ³	5		
	8.4.3	<u>Screed to:</u>				
6.10		i) All structures	m ³	100		
	SABS 1200G	<u>CONCRETE: Formwork</u>				
	8.2.2	<u>Formwork - Smooth:</u>				
		b) <u>Horizontal plane - elevated to walkways and slabs</u>				
6.11		i) Reservoir	m ²	1750		
	8.2.5	d) <u>Narrow widths (up to 300mm wide) to:</u>				
6.12		i) Reservoir	m	80		
	8.2.2	e) <u>Vertical plane (curved)</u>				
6.13		i) Reservoir walls & footings(curved)	m ²	2100		
6.14		ii) 300 mm diam. columns (reservoir)	m ²	750		
	8.2.5	e) <u>Narrow widths (up to 300mm wide) curved to:</u>				
6.15		i) Reservoir	m	160		
		<u>Box-out holes for pipes</u>				
	8.2.6	<u>Box-out holes, rectangular through concrete 200 to 500 mm thick: for pipework supplied and installed by the Mechanical Contractor :</u>				
		<u>Reservoir: 10Ml</u>				
6.16		a) 850 x 850mm box-out for 500mm flanged steel pipe	no	4		
TOTAL CARRIED FORWARD						

ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.17		b) 950 x 950mm box-out for 600mm flanged steel pipe	no	1		
6.18		c) 1100 x 1100mm box-out for 800mm flanged steel pipe	no	2		
REINFORCEMENT						
6.19	8.3.1	Reinforcement, high tensile steel i) Reservoir	t	220		
6.20	8.3.1	Reinforcement, mild steel i) Reservoir	t	22		
6.21	8.3.2	High tensile welded mesh - Ref No 395 (Provisional) i) Reservoir	m ²	24		
8.4.4 Unformed surface finish						
6.22		a) Wood floated finish i) Reservoir	m ²	1450		
6.23		b) Steel floated finish i) Reservoir	m ²	1450		
PSG6.1 Grouting / casting in of pipes and specials						
6.24		a) Grouting/casting in of pipe pieces in the following pipe diameters (Refer also PSG2.6.4) <u>Reservoir: 10ML</u> a) 850 x 850mm box-out for 500mm flanged steel pipe	no	4		
6.25		b) 950 x 950mm box-out for 600mm flanged steel pipe	no	1		
6.26		c) 1100 x 1100mm box-out for 800mm flanged steel pipe	no	2		
SABS 1200G MISCELLANEOUS						
PSG6.3 Watertight testing of structures						
6.27		i) Reservoir	no	1		
PSG6.2 Subsoil drain (provisional)						
6.28		Subsoil drainage as detailed on drawing i) Reservoir	m	360		
8.5 Joints						
6.29		<u>Reservoir:</u> Joint type A1 as detailed	m	940		
6.30		Joint type B1 as detailed	m	145		
6.31		Roof joint incl. silicone bearing	m	145		
PSG 6.5 Items cast into concrete						
Supply and install the following sleeves (including draw wires) to be cast into concrete						
6.32		i) 110 dia. uPVC telemetry pipe at Reservoir (5950mm long)	no	1		
6.33		ii) 40mm dia. HDPE sleeve in Reservoir roof (500mm long)	no	4		
TOTAL CARRIED FORWARD						

ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.34		iii) 40mm dia. HDPE sleeve in Reservoir wall (5500mm long)	no	4		
		Supply and install the following outlet pipes to be cast into concrete:				
6.35		iv) 50mm diameter uPVC pipe 350mm long for roof drainage	no	50		
6.36	PSG 6.7	<u>Disinfection of reservoir</u> i) Disinfection and cleaning of reservoir	no	1		
6.37	PSG 6.6	<u>19mm stone on reservoir roof</u> Supply and install 19mm stone on top of reservoir roof: i) Reservoir	m ³	250		
6.38	PSG 6.8	<u>Step irons</u> i) Step irons (Calcamite or similar approved)	no	19		
TOTAL SCHEDULE 6 CARRIED FORWARD TO SUMMARY						