

SCHEDULE 6 : RESERVOIR CONCRETE WORK						
ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
6	<b>SABS 1200G</b>	<b><u>CONCRETE WORK</u></b>				
		<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 <sup>2</sup>	1425		
	<b>PSG 6.4</b>	No fines concrete (NF19) to a minimum thickness of 80mm underneath structures, complete with mortar seal				
6.2	i)	Reservoir	m <sup>2</sup>	1425		
	8.4.3	<u>Strength concrete - class 35MPa/19mm</u>				
6.3	i)	Reservoir floor slabs and footings	m <sup>3</sup>	600		
6.4	ii)	Reservoir walls	m <sup>3</sup>	400		
6.5	iii)	Reservoir roof slabs and columns	m <sup>3</sup>	750		
6.6	iv)	Valve chamber floor slabs and footings	m <sup>3</sup>	6		
	8.4.3	<u>Strength concrete - Class 25 MPa/19mm</u>				
6.7	i)	Reservoir apron slab	m <sup>3</sup>	20		
6.8	iii)	Valve chamber walls	m <sup>3</sup>	15		
	8.4.3	<u>Strength concrete - class 15MPa/10mm Mass concrete to:</u>				
6.9	i)	All structures (provisional)	m <sup>3</sup>	5		
	8.4.3	<u>Screed to:</u>				
6.10	i)	All structures	m <sup>3</sup>	100		
	<b>SABS 1200G</b>	<b><u>CONCRETE: Formwork</u></b>				
	8.2.2	<u>Formwork - Smooth:</u>				
	<b>b) <u>Horizontal plane - elevated to walkways and slabs</u></b>					
6.11	i)	Reservoir	m <sup>2</sup>	1750		
	8.2.5	<b>d) <u>Narrow widths (up to 300mm wide) to:</u></b>				
6.12	i)	Reservoir	m	80		
	8.2.2	<b>e) <u>Vertical plane (curved)</u></b>				
6.13	i)	Reservoir walls & footings(curved)	m <sup>2</sup>	2100		
6.14	ii)	300 mm diam. columns (reservoir)	m <sup>2</sup>	750		
	8.2.5	<b>e) <u>Narrow widths (up to 300mm wide) curved to:</u></b>				
6.15	i)	Reservoir	m	160		
	8.2.6	<u>Box-out holes for pipes</u> <u>Box-out holes, rectangular through concrete 200 to 500 mm thick:</u> <u>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
<b>TOTAL BROUGHT FORWARD</b>						
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		
		<b>REINFORCEMENT</b>				
	8.3.1	Reinforcement, high tensile steel				
6.19	i)	Reservoir	t	220		
	8.3.1	Reinforcement, mild steel				
6.20	i)	Reservoir	t	22		
	8.3.2	High tensile welded mesh - Ref No 395 (Provisional)				
6.21	i)	Reservoir	m²	24		
	8.4.4	<b>Unformed surface finish</b>				
	a)	Wood floated finish				
6.22	i)	Reservoir	m²	1450		
	b)	Steel floated finish				
6.23	i)	Reservoir	m²	1450		
		<b>Grouting / casting in of pipes and specials</b>				
	PSG6.1	a) Grouting/casting in of pipe pieces in the following pipe diameters (Refer also PSG2.6.4)				
		<u>Reservoir: 10ML</u>				
6.24	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		
	<b>SABS 1200G</b>	<b>MISCELLANEOUS</b>				
	PSG6.3	<b>Watertight testing of structures</b>				
6.27	i)	Reservoir	no	1		
	PSG6.2	<b>Subsoil drain (provisional)</b>				
		Subsoil drainage as detailed on drawing				
6.28	i)	Reservoir	m	360		
	8.5	<b>Joints</b>				
		<u>Reservoir:</u>				
6.29		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	<b>Items cast into concrete</b>				
		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		
<b>TOTAL CARRIED FORWARD</b>						

ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
<b>TOTAL BROUGHT FORWARD</b>						
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	<b>PSG 6.7</b>	<b><u>Disinfection of reservoir</u></b> i) Disinfection and cleaning of reservoir	no	1		
6.37	<b>PSG 6.6</b>	<b><u>19mm stone on reservoir roof</u></b> Supply and install 19mm stone on top of reservoir roof: i) Reservoir	m³	250		
6.38	<b>PSG 6.8</b>	<b><u>Step irons</u></b> i) Step irons (Calcamite or similar approved)	no	19		
<b>TOTAL SCHEDULE 6 CARRIED FORWARD TO SUMMARY</b>						