

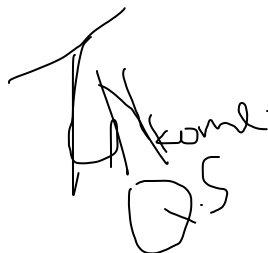
Bill Of Quantity For The Supply Of Various Sizes Precast Concrete Culverts and Concrete Pipes

Level	Item	Bill DESCRIPTION			Unit	Quantity	Rate	Amount
1		THE SUPPLY, DELIVERY OF VARIOUS TYPES OF PIPES, CULVERTS PIPE and CULVERT EXTRAS - G&T Western Cape Contracts..						
		1) The supply to various ERI CS Construction and Generation sites, the Supply and Delivery of various sizes precast Concrete Box and Pipe Culverts.						
		2) Supplier to comply to all Eskom SHEQ standards and requirements at all times.						
		3) See attached specifications for information.						
		4) Delivery vehicles and material/plant delivery to comply to all relevant Eskom specifications and regulations						
	1.1	450 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.2	525 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.3	600 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.4	675 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.5	750 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.6	825 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.7	900 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.8	1050 mm dia Concrete pipe Class 50D Interlocking Joint – SANS 677 concrete pipes			m	18		
	1.9	450 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.0	525 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.1	600 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.2	675 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.3	750 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.4	825 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.5	900 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.6	1050 mm dia Concrete pipe Class 75D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.7	450 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.8	525 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	2.9	600 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.0	675 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.1	750 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.2	825 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.3	900 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.4	1050 mm dia Concrete pipe Class 100D Interlocking Joint – SANS 677 concrete pipes			m	18		
	3.5	300 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	120		
	3.6	450 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	48		
	3.7	525 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	3.8	600 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	48		
	3.9	675 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.0	750 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	48		
	4.1	825 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.2	900 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.3	1050 mm dia Concrete pipe Class 50D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.4	450 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.5	525 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.6	600 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.7	675 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.8	750 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	4.9	825 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.0	900 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.1	1050 mm dia Concrete pipe Class 75D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.2	450 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.3	525 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.4	600 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.5	675 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.6	750 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.7	825 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.8	900 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
	5.9	1050 mm dia Concrete pipe Class 100D Spigot and Socket Joint – SANS 677 concrete pipes			m	18		
		Span	Class	Span x Height	Description	unit Measure		
	6.0	450	200	450 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.1	450	200	450 x 375	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.2	450	200	450 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.3	600	200	600 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.4	600	200	600 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	240	
	6.5	600	200	600 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.6	750	1755	750 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.7	750	1755	750 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.8	750	1755	750 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	6.9	750	1755	750 x 750	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.0	900	1755	900 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.1	900	1755	900 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	240	
	7.2	900	1755	900 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.3	900	1755	900 x 750	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.4	900	1755	900 x 900	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.5	1200	1505	1200 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.6	1200	1505	1200 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.7	1200	1505	1200 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.8	1200	1505	1200 x 900	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	7.9	1200	1505	1200 x 1200	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.0	1500	1005	1500 x 300	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.1	1500	1005	1500 x 450	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.2	1500	1005	1500 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.3	1500	1005	1500 x 900	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.4	1500	1005	1500 x 1200	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
	8.5	1500	1005	1500 x 1500	Rectangular Portals – Road Application Storm Water Culvert – SANS 986	m	180	
							c/f	

T. K. M. Q.S.

Bill Of Quantity For The Supply Of Various Sizes Precast Concrete Culverts and Concrete Pipes

Level	Item	Bill DESCRIPTION				Unit	Quantity	Rate	Amount
1		THE SUPPLY, DELIVERY OF VARIOUS TYPES OF PIPES, CULVERTS PIPE and CULVERT EXTRAS - G&T Western Cape Contracts..							
		1) The supply to various ERI CS Construction and Generation sites, the Supply and Delivery of various sizes precast Concrete Box and Pipe Culverts.							
		2) Supplier to comply to all Eskom SHEQ standards and requirements at all times.							
		3) See attached specifications for information.							
		4) Delivery vehicles and material/plant delivery to comply to all relevant Eskom specifications and regulations							
								b/f	
8.6	1800 755	1800 x 600	Rectangular Portals – Road Application Storm Water Culvert – SANS 986		m	180			
8.7	1800 755	1800 x 900	Rectangular Portals – Road Application Storm Water Culvert – SANS 986		m	180			
8.8	1800 755	1800 x 1200	Rectangular Portals – Road Application Storm Water Culvert – SANS 986		m	180			
8.9	1800 755	1800 x 1500	Rectangular Portals – Road Application Storm Water Culvert – SANS 986		m	180			
9.0	1800 755	1800 x 1800	Rectangular Portals – Road Application Storm Water Culvert – SANS 986		m	180			
						180			
9.1	1200 Class 1 Loading	1200 x 600	SATS SAR Rectangular Portals – Rail Application Storm Water Culvert – Class 1 loading		m	180			
9.2	1500 Class 1 Loading	1500 x 600	SATS SAR Rectangular Portals – Rail Application Storm Water Culvert – Class 1 loading		m	180			
9.3	1500 Class 1 Loading	1500 x 750	SATS SAR Rectangular Portals – Rail Application Storm Water Culvert – Class 1 loading		m	180			
9.4	1500 Class 1 Loading	1500 x 900	SATS SAR Rectangular Portals – Rail Application Storm Water Culvert – Class 1 loading		m	180			
9.5	450mm slabs for rectangular portal culverts.				number	8			
9.6	600mm slabs for rectangular portal culverts.				number	8			
9.7	750mm slabs for rectangular portal culverts.				number	8			
9.8	900mm slabs for rectangular portal culverts.				number	8			
9.9	1200mm slabs for rectangular portal culverts.				number	8			
10.0	1500mm slabs for rectangular portal culverts.				number	8			
10.1	1800mm slabs for rectangular portal culverts.				number	8			
10.2	750 mm slabs for SATS rectangular portal culverts.				number	8			
10.3	900 mm slabs for SATS rectangular portal culverts.				number	8			
10.4	1200 mm slabs for SATS rectangular portal culverts.				number	8			
10.5	1500 mm slabs for SATS rectangular portal culverts.				number	8			
10.6	1800 mm slabs for SATS rectangular portal culverts.				number	8			
10.7	750mm ND x 250mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
10.8	750mm ND x 500mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
10.9	750mm ND x 1000mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.0	1000mm ND x 250mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.1	1000mm ND x 500mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.2	1000mm ND x 1000mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.3	1800mm ND x 250mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.4	1800mm ND x 500mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.5	1800mm ND x 1000mm concrete manhole shaft sections as per SANS 1294 Specifications.				number	8			
11.6	1000mm to 750mm concrete reducer slabs as per SANS 1294 Specifications.				number	8			
11.7	1800mm to 750mm concrete reducer slabs as per SANS 1294 Specifications.				number	8			
11.8	1000mm concrete cover reduced to 560mm as per SANS 1294 Specification.				number	8			
11.9	1800mm concrete cover reduced to 560mm as per SANS 1294 Specification.				number	8			
12.0	750mm with 560 hole 75mm thick concrete round spacer as per SANS 1294 Specification				number	8			
12.1	Medium duty 560mm Dia Concrete lid as per SANS 1294 Specification.				number	8			
12.2	Heavy duty 560mm Dia Concrete lid as per SANS 1294 Specification.				number	8			
12.3	Extra heavy duty 560mm Dia Concrete lid as per SANS 1294 Specification.				number	8			
12.4	Medium duty replacement lid for cast iron frame				number	8			
12.5	Heavy duty replacement lid for cast iron frame				number	8			
12.6	Precast 1000mm diameter sewer manhole base unit with 6 in no outlets.				number	8			
12.7	Precast concrete air valve chambers x Small chamber 2000 x 2000mm				number	8			
12.8	Precast concrete air valve chambers x Small roof 2300 x 2300mm				number	8			
12.9	Precast concrete air valve chambers x Medium chamber 2500 x 3000mm				number	8			
13.0	Precast concrete air valve chambers x Medium roof 2800 x 3300mm				number	8			
13.1	Precast concrete air valve chambers x Large chamber 2500 x 4000mm				number	8			
13.2	Precast concrete air valve chambers x Large roof 2800 x 4300mm				number	8			
13.3	Delivery Transport 0.0km to 500.0km (first 100.0km free haul)				rate/km	400			
13.4	Delivery Transport 500.0km to 1000.0km (first 200.0km free haul)				rate/km	400			
13.5	Delivery Transport 1000.0km to 1500.0km (first 300.0km free haul)				rate/km	400			



 T. Akome.

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