

Park Station, De Villiers Street

Supply & Install bulk water pipe

ITEM	DESCRIPTION	UNIT	QTY	Labour & Material	AMOUNT (RANDS)
				RATE	
	<p>Removal of existing services. Main Water Supply, including replacement of water pipe clamps similar to Victaulic clamps throughout the facility.</p>				
	<p>Supply installation, testing and commissioning of the following Water Pipes completely installed with fittings accessories and necessary pipe supports, Tees , U-Clamps. As per drawing SK-100-WS-DW Rev C</p>				
	<p>HDPE PIPE WORK</p>				
	<p>DN 200 HDPE PE 100 PN10 butt weld/electrofusion water pipeline to, SANS 4427 -1:2023 and as per the drawing with all fittings such as elbows, tees, unions, nuts, bolts, gaskets, nipples, expanders complete with adequate no. of supports as described in the scope of work.</p>				
1	Supply and install DN 200 HDPE PE 100 PN10	m	98		R
	BENDS				

	Supply, installation and commissioning of BENDS fitted with stub and backing ring (flanged) where electrofusion butt weld is not practically possible ,Long Radius 90°				
2	NB200 90° bend HDPE PE 100 PN10	ea.	6		R
3	NB160 90° bend UPVC including transition(reducer) to HDPE stub 200 NB and backing ring.	ea.	1		R
4	Manhole to access HDPE/PVC transition pipe and bend	ea.	2		R
5	Excavation: Opening of existing PVC pipe	m	5		R
6	Excavation: Removing of paving and excavation: 0,6 m wide x 80 m long x 0,5 m deep.	m ³	25		R
7	Backfill with riversand: 50 mm x 80 m x 600 mm wide to prepare the surface bed for the HDPE piping	m ³	5		R
8	Backfill, compact and restore paving to blend in to adjacent paving. 600 mm wide	m ³	20		R
9	Allow for boxing off HDPE pipe with concrete.	m ³	18		R
10	Piping support DN 200 HDPE pipe (Every 1.6 m)	no	25		R
11	Transition to tie into existing pipe from HDPE 200 NB to DN 150 NB Flanges steel pipe	no	1		R
12	VALVES				
13	NB200 wafer type isolating butterfly valve.complete with mating flanges for the adjacent pipe	ea.	2		R

INSTRUMENTATION AND CONTROL					
14	Pressure gauge - Supply and fixing of direct mounting bourdon tube, glycerine filled Pressure gauges of 100mm dial size with siphon and shut-off cocks etc., Material specification: Stainless Steel; Connection: ½" BSP Bottom connection Make: WIKA	ea.	1		R
15	Water meter with pulse unit - 200 mm	ea.	1		R
16	NB200 Non-slam check valve	ea.	1		R
17	NB200 Y strainer with sieve, Ø3mm	ea.	1		R
Items required for a trouble-free installation not specifically listed in the BOQ					
18	a) Hoisting equipment	ea.	1		R
19	b) Safety and health files	ea.	1		R
20	c) Induction, training and medicals	ea.	1		R
21	d) Pressure testing and commissioning	ea.	1		R
22	e) Training and handover	ea.	1		R
23	f) Complete set of as build drawings, operating and data manuals	ea.	3		R
24	g) Core drilling	ea.	4		R

	Water pipe clamp similar to victaulic to be replaced throughout the building: stripping off existing clamps, cleaning of surfaces, replacement of gaskets, refitting of new clampsets, including bolts, nuts, washers. Pressure testing (issuing of pressure test certificate) and commissioning				
25	160 NB water pipe clamp set similar to Victaulic clamp	no	25		R
26	100 NB water pipe clamp set similar to Victaulic clamp	ea.	25		R
27	180 NB water pipe clamp set similar to Victaulic clamp	ea.	25		R
28	160 NB setwater pipe clamp set similar to KLAMBON clamp	no	25		R
29	100 NB setwater pipe clamp set similar to KLAMBON clamp	ea.	25		R
30	80 NB setwater pipe clamp set similar to KLAMBON clamp	ea.	25		R
31	Site Hoarding	m	80		R
	Removal of redundant existing services				
32	50 NB screwed piping including bends. Terminate with an endcap.	m	40		R
33	32 NB screwed piping	m	35		R
34	25 mm Conduit with internal cable	m	35		R
35	15 mm conduit with internal cables	m	60		R
	Additional items				
36	a) Hoisting equipment	ea.	1		R

37	b) Scaffolding	ea.	1		R
38	c) Safety and health files	ea.	1		R
39	d) Induction, training and medicals	ea.	1		R
40	e) Pressure testing and commissioning	ea.	1		R
41	f) Training and handover	ea.	1		R
42	g) Complete set of as build drawings, operating and data manuals	ea.	3		R
43	P&G items not specifically listed in the BOQ	Sum	1		R
SUB-TOTAL					R
Add 10% Contingency					R
Add 15% Vat					R
Grand Total					R

