



Item No.	Payment Clause	Description	Unit	Qty	Rate
1	SABS 1200A & 1200AB	SCHEDULE 1: PRELIMINARY AND GENERAL			
1.1	8.3	FIXED-CHARGE ITEMS			
1.1.1	8.3.1	Contractual requirements	Sum	1	
1.1.2	8.3.2	Provision of facilities on site:			
	8.3.2.1	1) Facilities for Engineer:			
		a) Engineers Office Type 2 and parking (No.=2)	Sum	1	
		b) Nameboards (No=2)	Sum	1	
		c) Communication	P/S	1	15000,00
		d) Overhead profit on item 1.1.2(c) above	%	15000,00	
		e) Meeting room Type 1	Sum	1	
		f) Latrine facilities	Sum	1	
1.1.3	8.3.2.2	2) Facilities for the Contractor			
		a) Offices and storage sheds	Sum	1	
		b) Ablution and latrine facilities	Sum	1	
		c) Tools and equipment	Sum	1	
		d) Access (see sub-clause 5.8)	Sum	1	
		e) Water supplies, electric power and communications	Sum	1	
		f) Dealing with water	Sum	1	
1.1.4	PSA 8.3.5.2	OHS Act Obligations (Compilation of OHSAct file)	Sum	1	
1.1.5		Compliance with all COVID fixed items Requirements	Sum	1	
1.1.6	PSA 8.3.5.3	EMP Obligations	Sum	1	
1.1.7	PSA 8.3.5.1	Issuing of notices to consumers also refer to PS6.6	Sum	1	
1.1.8	8.3.4	Removal of site Establishment	Sum	1	
1.2	8.4	TIME RELATED ITEMS			
1.2.1	8.4.1	Contractual requirements	month	1	
	8.4.2	Operation and maintenance of facilities on site.			
1.2.2	8.4.2.1	1) Facilities for Engineer:			
		a) Engineers Office Type 2 and parking (No.=2)	month	1	
		b) Nameboards (No=2)	month	1	
		c) Communication	P/S	1	15000,00
		d) Overhead profit on item 1.2.2(c) above	%	15000,00	
		e) Meeting room Type 1	month	1	
		f) Latrine facilities	month	1	
1.2.3	8.4.2.2	Facilities for the Contractor:			
		a) Offices and storage sheds	month	1	
		b) Ablution and latrine facilities	month	1	
		c) Tools and equipment	month	1	
		d) Access (see sub-clause 5.8)	month	1	
		e) Plant	month	1	
		f) Water supplies, electric power and communications	month	1	
		g) Dealing with water	month	1	
1.2.4	8.4.3	Supervision for the duration of construction	month	1	
1.2.5	8.4.4	Company and head office overhead costs for the duration of the Contract	month	1	
1.2.6	PSA 8.4.6.2	Security Services	month	1	
1.3	OHS Spec.	Allow for compliance with all aspects of the OHS specification including:			
1.3.1	PSA 8.4.6.4	Risk assessment	month	1	
1.3.2	PSA 8.4.6.1(1)	Compliance with Health and Safety Plan including Safety Officer Salary	month	1	
1.3.3		Compliance with all COVID requirements	month	1	



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1.4	EMP	Allow for compliance with all aspects of the EMP/Authorizations including			
1.4.1	PSA 8.4.6.1(2)	a) Environmental Officer Salary	month	1	
1.4.2	PSA 8.4.6.1(3)	b) Environmental Control Officer	P/S	1	360000,00
1.4.3		c) Overheads, charges and profit on item 1.4.2(b) above	%	360000,00	
1.5	8.6	Prime cost items			
1.5.1		a) Materials used in the execution of dayworks	P/S	1	20000,00
1.5.2		b) Overheads, charges and profit on item 1.4.1(a) above	%	20000,00	
1.6	8.8	TEMPORARY WORKS			
1.6.1	8.8.2	Dealing with traffic for the duration of the Contract	Sum	1	
1.6.2	8.8.6	Dealing with water	Sum	1	
1.6.3	8.8.4	Existing services			
1.6.4	PSA 8.8.4 (a)	a) Supply or hire of specialist equipment for the detection and Scanning of existing services.	P/S	1	50000,00
1.6.5		Profit on item 1.6.4 (a) above	%	50000,00	
1.6.6	PSA 8.8.4 (b)	b) Excavation by hand to expose existing services.	m ³	1	
1.7	PSA 8.5	PROVISIONAL SUMS STATED BY ENGINEER			
		a) Reinstatement of asphalt by JRA	P/S	1	500000,00
		b) Engineer's Equipment and Independent testing	P/S	1	100000,00
		c) Temporary protection of existing services	P/S	1	45000,00
		d) Community Liaison Officer	P/S	1	100000,00
		e) Landscaping and including irrigation system	P/S	1	50000,00
		f) Relocation of existing services	P/S	1	25000,00
		g) Training of local labour	P/S	1	100000,00
		h) Alterations and connection to Municipal services and repair to damaged services where approved by Engineer	P/S	1	20000,00
		i) Disposal of Asbestos	P/S	1	100000,00
		j) Investigations as ordered by the Engineer	P/S	1	120000,00
		k) Survey as per the Engineer's instruction. Rate to include for a CD with AutoCAD drawing/s and co-ordinates data in CSV or text format.	P/S	1	250000,00
		l) Overheads, charges and profit on items (a-k) above	%	1410000,00	
1.8	P.S 3.2.8	m) Overheads, charges and profit on items and Management fees for SMMEs based on SMME value paid to them (Value of Provisional Sum provided is indicative and will depend on a work package allocation)	P/S	1	1000000,00
		n) Overheads, charges and profit on item m above (Value of Provisional Sum provided is indicative and will depend on a work package allocation)	%	1000000,00	
1.9	8.7	Day works (to be executed on instruction from the Engineer)			
		<i>Labour</i>			
		a) Unskilled	hr	1	
		b) Semi skilled	hr	1	
		c) Skilled	hr	1	
		d) Armed Security guard	hr	1	
		<i>Tipper truck</i>			
		a) Capacity 6m ³ (small)	hr	1	
		b) Capacity 10m ³ (medium)	hr	1	
		c) Capacity 12m ³ (large)	hr	1	
		<i>Flat bed trucks</i>			
		a) Capacity 3 ton (small)	hr	1	
		b) Capacity 5 ton (medium)	hr	1	
		c) Capacity 10 ton (large)	hr	1	
		<i>LDV's</i>			
		a) Capacity 1 ton	hr	1	
		<i>Conservancy/ Water tankers</i>			
		a) Capacity 6,000 litres (small)	hr	1	
		b) Capacity 9,000 litres (medium)	hr	1	
		c) Capacity 15,000 litres (large)	hr	1	
		<i>Excavator (Crawler excavator)</i>			
		a) 20 tonne	hr	1	
		b) 30 tonne	hr	1	
		<i>TLB's (Tractor loader backhoe)</i>			
		a) 2x4	hr	1	
		b) 4x4	hr	1	
		<i>Walk behind vibrating rollers</i>			
		a) Model BW 61 (small)	hr	1	
		b) Model BW 76 (medium)	hr	1	



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 for three (3) years on an As and When Required Basis
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Item No.	Payment Clause	Description	Unit	Qty	Rate
		c) Model BW 90 (large)	hr	1	
		Compactors			
		b) Plate compactor	hr	1	
		Compressors (Potable Diesel Compressor)			
		a) Small	hr	1	
		b) Medium	hr	1	
		c) Large	hr	1	
		Portable water pumps			
		a) Small	hr	1	
		b) Medium	hr	1	
		c) Large	hr	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
2.4.3	PSC 8.2.13	Reinstatement of existing masonry walls and palisade fences a) Face Brick 110mm wall 220mm wall 330mm wall b) Plastered 110mm wall 220mm wall 330mm wall c) Steel Palisade fences (2.1m height) d) Reinstatement of existing outer buildings to its original state or to Engineer satisfaction	m ² m ² m ² m ² m ² m ² m ² No.	1 1 1 1 1 1 1 1	
3.0	SANS 1200DB	SCHEDULE 3: EARTHWORKS (PIPE TRENCHES)			
3.1	8.3.2	Excavation (a) Excavate in all materials, backfill and compact and dispose of surplus and unsuitable materials within the free haul distance, for trenches (including shoring and or bracing of trench sides) i) > 0m but ≤ 1.5m deep ii) > 1.5m but ≤ 2.5m deep iii) > 2.5m but ≤ 3.5m deep iv) > 3.5m deep (b) Extra over item (a) above for: i) Intermediate material ii) Hard rock material iii) Boulder excavation	m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³	1 1 1 1 1 1 1 1	
3.2	8.3.3 8.3.3.1	Excavation ancillaries Make up deficiency in backfill material: a) By importation from commercial source or off-site sources selected by the Contractor	m ³	1	
3.3	8.3.3.3	Additional compaction Compaction in road reserve a) Additional compaction to 93% mod AASHTO density in road reserves	m ³	1	
3.4	PSDB 8.3.5	Existing services that intersect or adjoin a pipe trench: a) Service that intersect a trench (i) Cables. (ii) Water mains (iii) Water house connections (iv) Sewer pipes up to 400 mm dia. (v) Storm water pipes up to 1050 mm dia. (vi) Kerbs and channels b) Services that adjoin a trench (i) Cables. (ii) Water mains (iii) Storm water pipes up to 1050 mm dia. (iv) Kerbs and channels (v) Sewer pipes up to 400 mm dia. (c) Services that require special care	No. No. No. No. No. m m m m m No	1 1 1 1 1 1 1 1 1 1	
3.4	PSDB 8.3.5		No	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
4.0	SANS 1200LB	SCHEDULE 4: BEDDING (PIPES)			
4.1		Provision of bedding:			
4.1.1	8.2.1	(a) from trench excavations			
		i) selected granular material	m ³	1	
		ii) selected fill material	m ³	1	
4.1.2	8.2.2.3	(b) from commercial sources			
		i) selected granular material	m ³	1	
		ii) selected fill material	m ³	1	
		(iii) Bidim A2	m ²	1	
		(iv) 19mm crusher run stone	m ³	1	
		(v) Dump Rock	m ³	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
5.0	SANS 1200LD	SCHEDULE 5: SEWERS			
5.1	8.2.1	Supply, lay, joint, bed, backfill on Flexible bedding and test the following pipes as detailed in the project specifications for gravity lines:			
5.1.1		(a) Class 34/300 uPVC heavy duty sewer pipe			
		i) DN160	m	1	
		ii) DN200	m	1	
		iii) DN250	m	1	
		iv) DN315	m	1	
		v) DN355	m	1	
		vi) DN400	m	1	
		(vii) DN 450	m	1	
		(vii) DN 500	m	1	
		(ix) DN 630	m	1	
5.1.2		(b) HDPE PE100 PN8			
		i) DN160	m	1	
		ii) DN200	m	1	
		iii) DN250	m	1	
		iv) DN315	m	1	
		v) DN355	m	1	
		vi) DN400	m	1	
		(vii) DN 450	m	1	
		(viii) DN 500	m	1	
		(ix) DN 630	m	1	
		(x) DN 710	m	1	
		(xi) DN 800	m	1	
		(xii) DN 900	m	1	
		(xiii) DN 1000	m	1	
		(xiv) DN 1200	m	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
5.1.3		(c) Concrete heavy duty sewer pipe Class 100D-SI pipes with sacrificial layer.			
		i) DN300	m	1	
		ii) DN375	m	1	
		(iii) DN 450	m	1	
		(iv) DN 525	m	1	
		(v) DN 600	m	1	
		(vi) DN 675	m	1	
		(vii) DN 750	m	1	
		(viii) DN 825	m	1	
		(ix) DN 900	m	1	
		(x) DN 1050	m	1	
		(xi) DN 1200	m	1	
5.1.4		(d) HDPE spiral reinforced pipes			
		(i) DN400	m	1	
		(ii) DN 450	m	1	
		(iii) DN 500	m	1	
		(iv) DN 600	m	1	
		(v) DN 700	m	1	
		(vi) DN 800	m	1	
		(vii) DN 900	m	1	
		(viii) DN 1000	m	1	
		(ix) DN 1100	m	1	
		(x) DN 1200	m	1	
5.2		Sewer Rising Mains:			
5.2.1		a) Supply, lay, bed (class B bedding), all test and disinfect, backfill sipogot and socket joints high impact mPVC Class 16 pipes:			
		i) DN315	m	1	
5.2.2		b) Supply, lay, bed (class B bedding), all test and disinfect, backfill complete joints to be butt welded or electro fusion, HDPE PE100 SDR11 PN16 pipes:			
		i) DN315	m	1	
		ii) DN355	m	1	
		iii) DN400	m	1	
		iv) DN450	m	1	
		v) DN500	m	1	
		vi) DN630	m	1	
5.2.3		c) Supply, lay, bed (class B bedding), all test and disinfect, backfill complete OPVC Class 16 pipes to SANS 16422, joints to be spigot and socket, thrust/anchor blocks to be provided at every change in direction:			
		i) DN355	m	1	
		ii) DN400	m	1	
		iii) DN450	m	1	
		iv) DN500	m	1	
		v) DN560	m	1	
		vi) DN630	m	1	
	8.2.2	Extra-over for 5.1 for the supply, lay and bedding of Specials with couplings:			



Item No.	Payment Clause	Description	Unit	Qty	Rate
5.3		Fittings to suit High Impact Class 16 uPVC pipes			
5.3.1		a) Shouldered end Steel Bends Fusion Bonded Epoxy coated 250 microns including thrust blocks to suit high impact uPVC pipe:			
		DN315			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
5.4		Fittings to suit HDPE PN 16 SDR 11 PE 100 pipes			
5.4.1		a) Extruded bends for HDPE pipe PN16 SDR11 PE100			
		i) 90° bend for 315 diameter pipe	No	1	
		ii) 90° bend for 350 diameter pipe	No	1	
		iii) 90° bend for 400 diameter pipe	No	1	
		iv) 90° bend for 450 diameter pipe	No	1	
		v) 90° bend for 500 diameter pipe	No	1	
		vi) 90° bend for 560 diameter pipe	No	1	
		vii) 90° bend for 600 diameter pipe	No	1	
		viii) 45° bend for 315 diameter pipe	No	1	
		xi) 45° bend for 350 diameter pipe	No	1	
		x) 45° bend for 400 diameter pipe	No	1	
		xi) 45° bend for 450 diameter pipe	No	1	
		xii) 45° bend for 500 diameter pipe	No	1	
		xiii) 45° bend for 560 diameter pipe	No	1	
		xiv) 45° bend for 600 diameter pipe	No	1	
		xv) 22.5° bend for 315 diameter pipe	No	1	
		xvi) 22.5° bend for 350 diameter pipe	No	1	
		xvii) 22.5° bend for 400 diameter pipe	No	1	
		xviii) 22.5° bend for 450 diameter pipe	No	1	
		xix) 22.5° bend for 500 diameter pipe	No	1	
		xx) 22.5° bend for 560 diameter pipe	No	1	
		xxi) 22.5° bend for 600 diameter pipe	No	1	
		xxii) 11¼° bend for 315 diameter pipe	No	1	
		xxiii) 11¼° bend for 350 diameter pipe	No	1	
		xxiv) 11¼° bend for 400 diameter pipe	No	1	
		xxv) 11¼° bend for 450 diameter pipe	No	1	
		xxvi) 11¼° bend for 500 diameter pipe	No	1	
		xxvii) 11¼° bend for 560 diameter pipe	No	1	
		xxviii) 11¼° bend for 600 diameter pipe	No	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
5.5		b) Stub and Flange for HDPE PN16 PE100 SDR11			
		i) Stub and Flange for 315 diameter pipe	No	1	
		ii) Stub and Flange for 350 diameter pipe	No	1	
		iii) Stub and Flange for 400 diameter pipe	No	1	
		iv) Stub and Flange for 450 diameter pipe	No	1	
		v) Stub and Flange for 500 diameter pipe	No	1	
		vi) Stub and Flange for 560 diameter pipe	No	1	
		vii) Stub and Flange for 600 diameter pipe	No	1	
5.5.1		Fittings to suit OPVC spigot & Socket ended pipes			
		Spigot & socket ended Steel Bends Fusion Bonded Epoxy coated 250 microns including thrust blocks to suit OPVC pipes:			
		DN355			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
		DN400			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
		DN500			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
		DN550			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
		DN600			
		i) 11¼°	No	1	
		ii) 22.5°	No	1	
		iii) 45°	No	1	
		iv) 90°	No	1	
5.6	PSL 8.2.19(b)	Supply, handle, fixing, lay, bed of single chamber flanged double acting air release valves, complete with all fittings for connection to main line as per detail JW100-DET14-W01. (Rate to include all fittings required including isolation valve, couplings, wrapping of joints, chamber and cover , etc.) Air valves to be PN16 and Double Fusion Epoxy Bonded coated.			
		i) DN80	No	1	
		ii) DN100	No	1	
		iii) DN150	No	1	
		iv) DN200	No	1	
		v) DN250	No	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
5.7		Supply, handle, lay and test through Horizontal Direction Drilling (through soft, medium and hard material) for depth not exceeding 10metres including supply of equipment for road crossings (Launch and reception pits will be paid under earthworks):			
5.7.1		(a) HDPE PE100 PN 8			
		i) DN160	m	1	
		ii) DN200	m	1	
		iii) DN250	m	1	
		iv) DN315	m	1	
		v) DN355	m	1	
		vi) DN400	m	1	
		(vii) DN 450	m	1	
		(viii) DN 500	m	1	
		(ix) DN 630	m	1	
		(x) DN 710	m	1	
		(xi) DN 800	m	1	
		(xii) DN 900	m	1	
		(xiii) DN 1000	m	1	
		(xiv) DN 1200	m	1	
5.7.2		Extra over for item 5.7.1(a) above for drilling into hard rock	m	1	
5.8	8.2.3	Manholes			
5.8.1		Manholes 1,000mm diameter complete with cover and frame			
		a) > 0m but ≤ 2.0m deep	No.	1	
		b) > 2m but ≤ 3.0m deep	No.	1	
5.8.2		Manholes 1,250mm diameter complete with cover and frame			
		a) > 0m but ≤ 2.0m deep	No.	1	
		b) > 2m but ≤ 3.5m deep	No.	1	
		c) > 3.5m but ≤ 5.0m deep	No.	1	
5.8.3		Manholes 1,500mm diameter complete with cover and frame			
		a) > 0m but ≤ 2.0m deep	No.	1	
		b) > 2m but ≤ 3.5m deep	No.	1	
		c) > 3.5m but ≤ 5.0m deep	No.	1	
5.8.4		Demolish existing manholes where new manholes will be constructed for pipe diameters 160mm to 600mm			
		a) > 0m but ≤ 2.0m deep	No.	1	
		b) > 2m but ≤ 3.5m deep	No.	1	
		c) > 3.5m but ≤ 5.0m deep	No.	1	
		d) > 5m			
5.8.5		Demolish existing manholes where new manholes will be constructed for pipe diameters greater than 600mm to 1200mm			
		a) > 0m but ≤ 2.0m deep	No.	1	
		b) > 2m but ≤ 3.5m deep	No.	1	
		c) > 3.5m but ≤ 5.0m deep	No.	1	
		d) > 5m	No.	1	
5.8.6		Repair manhole benching in existing manholes up to 5m			
		a) 0mm - 1000mm diameter	No.	1	
		b) 1000mm - 1250mm diameter	No.	1	
		c) 1250mm - 1500mm diameter	No.	1	



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Item No.	Payment Clause	Description	Unit	Qty	Rate
5.9	8.2.6	Erf connections a) Supply, bed, lay, joint, and test new property connection including all fittings related to the erf connections(length of erf connection 30metres) as per detail JW100-DET2-S01 i) 110mm dia. uPVC Class 34 spigot and socket pipes including joints to existing pipes and all other fittings	No.	1	15000,00
		b) Supply, bed, lay, joint, and test new property connection including all fittings related to the erf connections as per detail JW100-DET2-S01 i) 110mm uPVC Class 34 spigot and socket pipes including joints to existing pipes and all other fittings	No	1	
5.10		(a) Provisional Amount (R) for fittings not shown on detail (b) Profit on item 5.10 (a) above	P.Sum %	1 15000,00	
5.11	8.2.11	Connect to existing Sewers Break existing manhole, channel and benching and rebuilt manhole with new channel and benching the rate shall include any temporary sewer diversion or over pumping required	No	1	
5.12	8.2.12	Raising or Lowering of Existing Manholes			
		i) 1000mm diameter	No.	1	
		ii) 1250mm diameter	No.	1	
		iii) 1500mm diameter	No.	1	

Item No.	Payment Clause	Description	Unit	Qty	Rate
6.0		SCHEDULE 6: CCTV CAMERA SURVEY AND PIPE CRACKING			
6.1		CCTV surveys			
6.1.1	PS 4.2.39	Cleaning of conduits for the following pipe diameter diameter before CCTV, pipe cracking and CIPP: a) 160 > and ≤ 355mm diameter b) > 355mm diameter	m m	1 1	
6.1.2	PS 4.2.39	Cleaning of conduits for the following pipe diameter diameter after installation if required: a) 160 > and ≤ 355mm diameter b) > 355mm diameter	m m	1 1	
6.1.3	PS 4.2.40	CCTV camera surveys of pipelines before upgrade works, of the following diameters. The CCTV should identify any house connections, manholes and any other detail and defects in the a) 160 > and ≤ 355mm diameter b) > 355mm diameter	m m	1 1	
6.1.4	PS 4.2.40	CCTV camera surveys of pipelines after upgrade works, of the following diameters. The CCTV should identify any house connections, manholes and any other detail and defects in the a) 160 > and ≤ 355mm diameter b) > 355mm diameter	m m	1 1	
6.2		PIPE CRACKING			
6.2.1	P.S.4.2.50.1	Supply, handle, lay and test through Pipe Cracking including supply of equipment (Launch and reception pits will be paid under earthworks): (a) ALL PIPES i) DN160 ii) DN200 iii) DN250 iv) DN315 v) DN355 vi) DN400 (vii) DN 450 (viii) DN 500 (ix) DN 630 (x) DN 710 (xi) DN 800 (xii) DN 900 (xiii) DN 1000 (xiv) DN 1200	m m m m m m m m m m m m m m m	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
6.2.2		Overpumping and manhole isolation			
6.2.2.1	P.S.4.2.50.3	Manhole length isolation a) Plugging Conduits: i) 0 ≥ 150mm diameter ii) 150 > and ≤ 315mm diameter ii) 315 > and ≤ 500mm diameter iii) 500> and ≤1000mm diameter iii) 1000> and ≤1600mm diameter	No. No. No. No. No.	1 1 1 1 1	
6.2.2.2	P.S.4.2.50.4	b) Over-pumping i) 0 ≥ 150mm diameter maximum flow rate 40 litres per sec ii) 150 > and ≤ 315mm diameter maximum flow rate 170 litres per sec iii) 315 > and ≤ 500mm diameter maximum flow rate 430 litres per	hours hours hours	1 1 1	
6.2.3		Allow for reconnecting house connection after pipe cracking, rate shall include all fittings required (excavations and backfilling shall be paid under earthworks)	No	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
6.2.4		Point repairs to sewers for the following diameters before pipe cracking. Rate to include all materials and labour required. Excavation and backfilling measured under earthworks.			
		i) DN150	No	1	
		ii) DN200	No	1	
		iii) DN250	No	1	
		iv) DN315	No	1	
		v) DN355	No	1	
		vi) DN400	No	1	
		vii) DN 450	No	1	
		viii) DN 525	No	1	
		ix) DN 600	No	1	
		x) DN 675	No	1	
		xi) DN 750	No	1	
		xii) DN 825	No	1	
		xiii) DN 950	No	1	
		xiv) DN 900	No	1	
		xv) DN 1050	No	1	
		xvi) DN 1200	No	1	
6.2.5		CIPP (CURED IN PLACE PIPE)			
6.2.5.1		Specialist removal/cleaning of obstructions:			
		Precision root cutters	hr	1	
6.2.5.2		Non-structural liner for the following diameters:			
		i) DN150	m	1	
		ii) DN200	m	1	
		iii) DN250	m	1	
		iv) DN315	m	1	
		v) DN355	m	1	
		vi) DN400	m	1	
		vii) DN 450	m	1	
		viii) DN 525	m	1	
		ix) DN 600	m	1	
		x) DN 675	m	1	
		xi) DN 750	m	1	
		xii) DN 825	m	1	
		xiii) DN 950	m	1	
		xiv) DN 900	m	1	
		xv) DN 1050	m	1	
		xvi) DN 1200	m	1	
6.30	SANS1200LG	PIPE JACKING			
6.3.1	8.2.1	Jacking Establishment			
6.3.1.1		a) Fixed Charges	Sum	1	
6.3.1.2		b) Time Related charges	Sum	1	
6.40	8.2.6	Supply and install the following pipes through pipe Jacking Method,			
		a) Supply and installation of in-the-wall joint concrete Sleeve pipes			
6.4.1		i) 900mm ND concrete pipe	m	1	
6.4.2		ii) 1117mm ND concrete pipe	m	1	
6.4.3		iii) 1473mm ND concrete pipe	m	1	
6.4.4		iv) 1678mm ND concrete pipe	m	1	
6.4.5		v) 1800mm ND concrete pipe	m	1	
6.4.6		vi) 2000mm ND concrete pipe	m	1	
6.4.7		vii) 2250mm ND concrete pipe	m	1	
6.4.8		viii) 2500mm ND concrete pipe	m	1	
		b) Supply and installation of pipes including all supports:			
6.4.9		i) 400mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.10		ii) 450mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.11		iii) 500mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.12		iv) 630mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.13		v) 710mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.14		vi) 800mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.15		vii) 900mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.16		viii) 1000mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.4.17		ix) 1200mm HDPE PN16 PE100 SDR11 butt welded	m	1	
6.50	8.2.7	Extra-over for 8.2.6 for Lengths of Pipeline greater than 85 metres	m	1	



Contract No. JW14228
Panel of Contractors: Upgrade and Renewal of Sewer Pipelines
for three (3) years on an As and When Required Basis
Pricing Data



Item No.	Payment Clause	Description	Unit	Qty	Rate
6,60	8.2.8	Extra-over 8.2.6 for Excavations in Rock	m ³	1	
6,70	8.2.9	Stabilisation of Unstable Areas or Grouting of Voids were Ordered by			
6,7.1		a) Provision and Establishment of Equipment on Site, and Removal	Sum	1	
6,7.2		b) Operation of Equipment	Day	1	
6,7.3		c) Materials used	m ³	1	
6,80	8.2.10	Standing Time for Pipe Jacking Gang the Jacking Equipment Covered in 8.2.1	hr	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
7.0	SABS 1200 DK	GABIONS AND PITCHING			
7.1	8.2.1	Surface preparation for bedding of gabions a) Cavities filled with approved excavated material b) Cavities filled with Grade 15 concrete (Provisional)	m ³ m ³	1 1	
7.2	8.2.2	<u>Gabions</u> Supply, place, fill with stones,lacing and bracing gabions boxes or mattresses, the rate should include the supply of stones: (Double twist hexagonal wire mesh to SANS 1580:2005) Mesh Type 80 with 2,7/3,7mm Class A Galvanised and uPVC coated wire			
7.2.1		a) Gabion mattresses 2 m x 2 m x 0.3 m (b) Gabion boxes 1m x 1m x1m	m ³ m ³	1 1	
7.3	8.2.4	<u>Supply and install Geotextile membrane:</u>			
7.3.1		a) AG150 - Minimun Energy Absorption - 4,0kN/m	m ²	1	
7.4	8.2.5	<u>Pitching</u>			
7.4.1		a) Medium pitching - plain	m ²	1	



Item No.	Payment Clause	Description	Unit	Qty	Rate
8.0		SCHEDULE 8 : Ablution Blocks and VIP Toilets			
8.1	PA	VIP AND ABLUTION BLOCKS:			
	PA 3.1	(a) Supply, Deliver and install a pre cast VIP toilet including all accessories	No	1	
	PA 3.2	(b) Supply, Deliver and install a Precast VIP toilet for disabled people including all accessories	No	1	
	PA 3.3	(c) Supply, Deliver and install Precast Waterborne toilet including all accessories including drainage connection with all accessories	No	1	
	PA 3.4	(d) Supply, Deliver and install Precast Waterborne toilet for disabled people including all accessories including drainage connection with all accessories	No	1	
8.2		VIP SUBSTRUCTURE			
	PA 3.5	(a) Supply, Deliver and install a pre cast VIP sub structure complete with beams	No	1	
	PA 3.6	(b) Supply and Erection of Brickworks (Excavation to be paid under Section D)	m ²	1	
	PA 3.7	(c) Supply and application of Water proof sealant only on instruction of Employer's Agent	m ²	1	
	PA 2.3	(d) Extraover of 6mm single coat cement plaster on brick substructure according to SANS 2001-EMI: 2007	m ²	1	
8.3		ABLUTION BLOCKS:			
	PA 3.8	(a) Supply and Install 12m X 2.4m Prefabricated Female Ablution Unit	No	1	
	PA 3.9	(b) Supply and Install 12m X 2.4m Prefabricated Male Ablution Unit	No	1	
	PA 3.10	(c) Supply and install 6m X 2.4m Prefabricated Male Ablution Unit	No	1	
	PA 3.11	(d) Supply and install 6m X 2.4m Prefabricated Female Ablution Unit	No	1	
8.4	PA	Wash Trough: (a) Provide and install double concrete wash trough including stand, two taps, fixing into the ablution Block, drainage and water connection	No	1	
8.5	PA	Guard House (a) Provisional sum for supply and erection of security guard house	P/S	1	10000,00
8.6	PA	Supply and erection of new fencing material:			
	PA	a) Supply, delivery and installation of steel wire mesh fencing around the ablution blocks (0.9mm x 90mm x 1.8mm x 5000mm) including gate, galvanised steel poles, concrete footings, transportation and installation (incl. labour)	m	1	