



SECTION 1: PRELIMINARY AND GENERAL							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.1		SANS 1200 A	PRELIMINARY AND GENERAL				
		8.3	SCHEDULED FIXED-CHARGE AND VALUE RELATED ITEMS				
1.1.1		8.3.1	Contractual requirements.	Sum	1		
		8.3.2	Establishment of Facilities on the Site:				
			Facilities for Employer's Agent:				
1.1.2		PSA8.3.2.1	a) Furnished office (No. 1)	Sum	1		
1.1.3		PSA8.3.2.1	b) Name board (No. 2)	Sum	1		
		8.3.2.2	Facilities for Contractor:				
1.1.4			a) Offices and storage sheds.	Sum	1		
1.1.5			b) Ablution and latrine facilities.	Sum	1		
1.1.6			c) Tools and equipment.	Sum	1		
1.1.7		PSA 8.3.2.2	d) Water supplies, electric power and communications.	Sum	1		
1.1.8			e) Dealing with water (Sub-clause 5.5).	Sum	1		
1.1.9			f) Access (Sub-clause 5.8).	Sum	1		
1.1.10			g) Plant.	Sum	1		
1.1.11		8.3.3	h) Other fixed-charge obligations.	Sum	1		
1.1.12		8.3.4	i) Removal of Site establishment.	Sum	1		
1.1.13		PSA 8.3.3.1	j) Issuing of notices to consumers.	Sum	1		
1.2		PSA 8.3.3.2	OHS ACT OBLIGATIONS:				
1.2.1			a) General Safety obligations (incl. provision of personal protective equipment).	Sum	1		
1.2.2			b) Health and Safety plan/file including health and safety training.	Sum	1		
1.2.3			c) Implement Health and Safety requirements based on approved H&S Plan and submit monthly reports as prescribed.	Month	3		
1.2.4		PSA 8.3.5.3	Environmental Management Plan Obligations.	Sum	1		
1.3		8.4	TIME-RELATED ITEMS				
1.3.1		PSA 8.2.1.2	Contractual requirements.	Month	3		
		PSA 8.4.2.1	Operate and maintain facilities on the Site for duration of Construction for the Engineer.				
1.3.2			a) Cellular Telephone Cost.	PSum/Month	3	R900,00	R2 700,00
SUB-TOTAL CARRIED FORWARD TO NEXT PAGE							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 1: PRELIMINARY AND GENERAL							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUB-TOTAL BROUGHT FORWARD FROM PREVIOUS PAGE							
1.3.3			b) Accommodation for the Employer's Agent Representative.	PSum/Month	3	R6 000,00	R18 000,00
1.3.4			c) Administrative assistance to the Contractor.	PSum/Month	3	R5 000,00	R15 000,00
1.3.5			d) Health and Safety Inspections on Site.	PSum/Month	3	R1 500,00	R4 500,00
1.3.6			e) Environmental Management Plan Audits.	PSum/Month	3	R2 500,00	R7 500,00
		8.4.2.2	Facilities for Contractor:				
1.3.7			a) Offices and storage sheds.	Month	3		
1.3.8			b) Workshops.	Month	3		
1.3.9			c) Laboratories.	Month	3		
1.3.10			d) Ablution and latrine facilities.	Month	3		
1.3.11			e) Tools and equipment.	Month	3		
1.3.12		PSA 8.4.2.2.	f) Water supplies, electric power and communications.	Month	3		
1.3.13			g) Dealing with water (Sub-clause 5.5).	Month	3		
1.3.14			h) Access (Sub-clause 5.8).	Month	3		
1.3.15		8.4.3	i) Supervision for the Duration of Construction.	Month	3		
1.3.16		8.4.4	Company and Head Office Overhead Costs for Duration of Contract.	Month	3		
1.3.17		8.4.5	Other time-related obligations.	Month	3		
1.3.18		PSA 8.4.6.2	Security services.	Month	3		
1.4		8.5	SUMS STATED PROVISIONALLY BY ENGINEER				
1.4.1			a) Control tests by independent laboratory. Additional tests that may be required by the Engineer over and above normal quality control tests performed by the Contractor.	Prov Sum	1	R10 000,00	R10 000,00
1.4.2			b) Overheads, charges and profit on item 1.4.1 above.	%		R10 000,00	
1.4.3			c) Relocation of existing services (water mains, electricity cables/poles, etc.) by Services utility.	Prov Sum	1	R30 000,00	R30 000,00
1.4.4			d) Overheads, charges and profit on item 1.4.3 above.	%		R30 000,00	
SUB-TOTAL CARRIED FORWARD TO NEXT PAGE							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 1: PRELIMINARY AND GENERAL							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUB-TOTAL BROUGHT FORWARD FROM PREVIOUS PAGE							
1.4.5			e) Supply or hire specialist equipment for the detection of a particular service. (Provisional).	Prov Sum	1	R20 000,00	R20 000,00
1.4.6			f) Overheads, charges and profit on item 1.4.5 above.	%		R20 000,00	
1.4.7			g) Employment of a Community Liason Officer (CLO) to be identified by the Project Steering Committee (PSC) in consultation with the Ward Councillor and ISD Consultant.	PSum/Month	3	R 5 500,00	R 16 500,00
1.4.8			h) Overheads, charges and profit on item 1.4.11.	%		R16 500,00	
1.4.9			m) Labour, materials and plant to be used during execution of dayworks.	Prov Sum	1	R 10 000,00	R 10 000,00
		8.3.8.2	Dealing with services that are at risk because of the construction activities:				
1.4.10			n) Permanent protection of services as required or indicated by the Engineer.	Prov Sum	1	R20 000,00	R20 000,00
1.4.11			o) Temporary protection of services as required or indicated by the Engineer.	Prov Sum	1	R10 000,00	R10 000,00
1.5		PD 5.1	EPWP ALIGNMENT (PROVISION OF STRUCTURED TRAINING)				
			Provison for Training:				
1.5.1			a) General Skills Training:	Person days of Training	0		Rate Only
1.5.2			b) Entrepreneurial skills.	Sum	0		Rate Only
1.5.3			c) Handling cost and profit in respect of sub item (a) and (b) above.	%	0		Perentage Only
1.5.4			d) Training Venue.	L Sum	0		Rate Only
1.5.5			e) Transportation and accommodation of workers for training where it is not possible to undertake the training in close proximaty to the site.	Sum	0		Rate Only
1.6			EXTRA OVER SUB-ITEM FOR BRANDING OF EPWP PPE:				
1.6.1			The tendered rate shall include full compensation for branding the PPE as determined in the risk assessments and as required for full duration of the contract.	Sum	1		
SUB-TOTAL CARRIED FORWARD TO NEXT PAGE							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 1: PRELIMINARY AND GENERAL							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUB-TOTAL BROUGHT FORWARD FROM PREVIOUS PAGE							
1.7			TEMPORARY WORKS				
1.7.1	LI	PSDB 8.3.7	Accommodation of Traffic.(Accommodation of traffic by constructing the road in half widths and maintaining access to properties).	Sum	1		
1.7.2		PSD 5.1.2.2	Excavate and backfill by hand in soft material to expose existing services - only on approval of Engineer, within freehaul distance of 5.5km.	m ³	200		
1.7.3		PSA 9.1	Submit detail As-built drawings of all existing services and adjustments to construction drawings at completion.	Sum	1		
1.7.4		PSA 9.2	Detail setting out of the Works from survey beacons by a registered surveyor and all other survey related work.	Sum	1		
1.7.5		PSA 9.5	Compile and submit for approval by Engineer, a realistic construction programme within the stated period and before commencement of construction.	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 2: SITE CLEARANCE							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.1		SANS1200 C	SITE CLEARANCE				
2.1.1		8.2.1	Clear and Grub Area: a) Within road reserves.	m ²	20		
2.2		8.2.2	Remove and grub large trees and tree stumps of girth:				
2.2.1			a) Over 1m and up to and including 2m.	No	2		
2.2.2			b) Over 2m and up to and including 3m.	No	0		Rate Only
2.2.3			c) Over 3m and up to and including 4m.	No	0		Rate Only
2.3		8.2.4	Reclear surfaces (only on instruction from the Engineer).	ha	0,5		
2.4		PSC 8.2.11	Taking down and re-erecting existing fences:				
2.4.1	LI		a) All wire and wire mesh fences up to 2.4m high.	m	100		
2.4.2	LI		b) All brick type fences up to 2.4m high.	m	10		
2.4.3	LI		c) All palisade/"clearview" type fences up to 2.4m high.	m	2		
2.5		PSC 8.2.11	New fencing as removed / demolished in Item C4 above:				
2.5.1			a) All wire and wire mesh fences up to 2.4m high.	m	25		
2.5.2			b) All palisade/"clearview" type fences up to 2.4m high.	m	0		Rate Only
2.6		8.2.8	Demolish and remove structures/buildings or steel structures and dispose of at approved site within 10km distance:				
2.6.1	LI		a) Segmented paving.	m ²	10		
2.6.2	LI	PSC 8.2.11	b) Take down and dispose of exsisting fences.	m	25		
2.6.3		8.2.9	Transport material and debris beyond the freehaul distance of 10km.	m ³ .km	90		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 3: EARTHWORKS (ERF DRIVEWAYS)							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.1		SANS1200 D	EARTHWORKS				
3.1.1		8.3.2	Excavation: Excavate by machine in all materials and use for embankment or backfill or dispose, as ordered.	m ³	700		
3.1.2		8.3.2	Extra-over for: a) Intermediate excavation.	m ³	70		
3.1.3			b) Hard rock excavation. (Blasting or Pneumatic Drilling).	m ³	35		
3.1.4			c) Boulder excavation and dump, Class A and B.	m ³	7		
3.1.5		8.2.9	Transport material and debris beyond the freehaul distance of 10km.	m ³ .km	170		
3.2		SANS1200 DM	EARTHWORKS (ROADS) SUBGRADE				
3.2.1		8.3.3	Treatment of Roadbed: a) Rip roadbed to a depth of 150mm, remove oversize material and compact to 93% Mod AASHTO density.	m ³	450		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 4: PIPE TRENCHES							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.1		SANS1200 DB	PIPE TRENCHES				
4.1.1		8.3.2a	Excavation: a) Excavate in all materials for trenches, backfill, compact and dispose of surplus material.	m ³	40		
4.1.2		8.3.2b	Extra-over items DB1.1 for excavation in: (Provisional) a) Intermediate excavation.	m ³	12		
4.1.3			b) Hard rock excavation. (Blasting or Pneumatic Drilling).	m ³	2		
4.1.4			c) Boulder excavation and dump, Class A and B.	m ³	4		
4.2		8.3.3	EXCAVATION ANCILLARIES:				
4.2.1		8.3.3.1	Make up deficiency in backfill material: a) From other necessary excavations on site.	m ³	0		Rate Only
4.2.2			b) By importation from borrow pits.	m ³	0		Rate Only
4.2.3			c) By importation from commercial sources selected by the Contractor.	m ³	0		Rate Only
4.3		8.3.5	EXISTING SERVICES:				
4.3.1			Services that intersect a trench: a) Overhead powerlines.	No	1		
4.3.2			b) House water connections.	No	100		
4.3.3			c) Water mains up to 300mmØ.	No	1		
4.3.4			d) Sewer pipes up to 300mmØ.	No	1		
4.3.5		8.3.5	Existing services that adjoin a pipe trench: a) Existing water pipelines up to 300mmØ.	m	10		
4.3.6			b) Sewer pipes up to 300mmØ.	m	10		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 5: EARTHWORKS ROADS							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.1		SANS1200 DM	EARTHWORKS (ROADS) SUBGRADE				
5.1.1		8.3.2	Excavation: Excavate by machine in all materials and use for embankment or backfill or dispose, as ordered.	m ³	2700		
5.1.2		8.3.2	Extra-over for: a) Intermediate excavation.	m ³	270		
5.1.3			b) Hard rock excavation. (Blasting or Pneumatic Drilling).	m ³	135		
5.1.4			c) Boulder excavation and dump, Class A and B.	m ³	25		
5.1.5		8.3.3	Treatment of Roadbed: Rip roadbed to a depth of 150mm, remove oversize material and compact to 93% Mod AASHTO density.	m ³	1320		
5.2			EARTHWORKS				
5.2.1		8.3.4	Cut to Fill: a) Compact to 95% Mod AASHTO.	m ³	243		
5.2.2			b) Rockfill, process and compact.	m ³	0		Rate Only
5.2.3		8.3.7	Cut to Stockpile: a) Cut to required depth of excavation materials selectively to stockpile.	m ³	243		
5.3		PSDM 8.3.18	FINAL FINISHING AND CLEANING UP OF THE SITE OF WORKS.	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 6: GABIONS AND PITCHING							
ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.1		SANS1200 DK	GABIONS AND PITCHING				
		8.2.2 (a)	Gabions: Galvanized and PVC coated gabions boxes using 150mm stone and 80mm x 100mm x 2,7mm mesh:				
6.1.1	LI		a) 2m x 1m x 1m.	m ³	0		Rate Only
6.1.2	LI		b) 2m x 1.5m x 1m.	m ³	0		Rate Only
6.1.3	LI		c) 1m x 1m x 1m.	m ³	0		Rate Only
		8.2.2 (b)	Reno Mattresses: Galvanized and PVC coated gabions boxes using 150mm stone and 80mm x 100mm x 2,7mm mesh:				
6.1.4	LI		a) 2m x 1m x 0.3m.	m ³	5		Rate Only
6.1.5	LI		b) 3m x 1m x 0.17m.	m ³	0		
6.1.6	LI		c) 6m x 2m x 0.3m.	m ³	0		
6.1.7	LI	8.2.4	Geotextile: Geotextile (Kaytech Bidim A4 or similar approved type) placed where ground water seepage occurs or where directed by Engineer.	m ²	25		
6.1.8	LI	8.2.5	Stone Pitching: a) Plain pitching.	m ²	5		Rate Only
6.1.9	LI		b) Grouted stone pitching.	m ²	0		
6.2		SABS 1200 G	CONCRETE STRUCTURAL				
6.2.1		8.1.3 8.4.1	Concrete: Prescribed mortar concrete 3:1 (sand:cement) mix.	m ³	2		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 7: BEDDING FOR PIPES

ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.1		SANS1200 LB	BEDDING FOR PIPES				
		8.2.1	Available from Trench Excavation:				
			Concrete Pipes (Class B Bed):				
7.1.1			a) Selected granular material.	m ³	0		Rate Only
7.1.2			b) Selected fill material.	m ³	0		Rate Only
		8.2.2	Supply of Imported Bedding Material From:				
7.2		8.2.2.2 & 8.2.2.3	Borrow pits or commercial sources (Provisional):				
7.2.1			a) Selected granular material.	m ³	0		Rate Only
7.2.2			b) Selected fill material.	m ³	0		Rate Only
7.3		8.2.4	Encasing of pipes in Concrete:				
7.3.1			a) Class 20MPa/22 mm.	m ³	15		
7.3.2			b) Class 30MPa/22 mm.	m ³	25		
7.3.3		PSLB 8.2.6	Extra over items LB1 & LB2 for bedding stabilized with 5% cement.	m ³	0		Rate Only
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SECTION 8: STORMWATER DRAINAGE

ITEM NO.	LI	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8.1		SANS1200 LE	STORMWATER DRAINAGE				
		8.2.1	Concrete Pipe Culverts:				
		8.2.1	Supply, handle, and lay Class 75D interlocking concrete pipes on Class B bedding:				
8.1.1			a) 450 mm dia.	m	0		Rate Only
8.1.2			b) 600 mm dia.	m	0		Rate Only
8.1.3			c) 750 mm dia.	m	0		Rate Only
8.1.4			d) 1050 mm dia.	m	0		Rate Only
8.2		8.2.4	EXTRA-OVER ITEMS LE1 FOR CUTTING END UNITS FOR CULVERTS ON SITE:				
			Straight cut:				
8.2.1			a) 450-600 Ø pipe.	No	0		Rate Only
8.2.2			b) 750-1050 Ø pipe.	No	0		Rate Only
			Skew cut:				
8.2.3			a) 450-600 Ø pipe.	No	0		Rate Only
8.2.4			b) 750-1050 Ø pipe.	No	0		Rate Only
8.3		SANS1200 G	CONCRETE (STRUCTURAL)				
		8.2	SCHEDULED FORMWORK ITEMS				
		8.2.1	Rough (Measured to 150mm below FGL where applicable):				
			Vertical:				
8.3.1			Sides of concrete drift.	m ²	2		
8.4			SCHEDULED REINFORCEMENT ITEMS				
		8.3.2	High Tensile Welded Mesh:				
8.4.1			Ref. 395.	m ²	3		
8.5		8.4	CONCRETE				
		8.4.3	Strength Concrete:				
			Class 25/19:				
8.5.1			Concrete drift	m ³	1		
8.6		8.4.4	UNFORMED SURFACE FINISHES:				
			Wood-floated finishes to:				
8.6.1			Top of cover beam (stormwater drainage).	m ²	3		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2



SUMMARY OF SCHEDULES		
SCHECULE	SANS DESCRIPTION	BUDGET
SECTION 1	PRELIMINARY AND GENERAL	
SECTION 2	SITE CLEARANCE	
SECTION 3	EARTHWORKS	
SECTION 4	PIPE TRENCHES	
SECTION 5	EARTHWORKS (ROADS) SUBGRADE	
SECTION 6	GABIONS AND PITCHING	
SECTION 7	BEDDING FOR PIPES	
SECTION 8	STORMWATER DRAINAGE	
SUB-TOTAL: A		
Plus 10% Contingencies		
SUB-TOTAL: B		
Plus 15% VAT		
TOTAL: CONSTRUCTION COST		

(CARRIED FORWARD TO TENDER COVER PAGE)

TENDERER: _____

COMPANY: _____

ADDRESS: _____

CELL: _____

FAX: _____

SIGNATURE: _____

DATE: _____

CONTRACTOR

WITNESS 1

WITNESS 2

EMPLOYER

WITNESS 1

WITNESS 2