

## **Price List**

### **C2.2. The Activity Schedule**

\*This amount should be carried over to the form of offer Part C1. The total tendered amount shall not be fixed, and it is subject to fluctuation as a result of inflation, foreign, exchange rate variation, etc.

The BOQ electronic document is attached separately (Annexure E)

NB: This is a maintenance Contract, which in its nature is an ADHOC Contract, the Contractor shall not be permanently based on site and shall be called to come and do work as and when requested by the Employer (ACSA).

### **Applicable Standard Specifications**

1. The Bill of Quantities shall be interpreted in conjunction with the following code of practice.
  - SANS 1200 A – General
  - SANS 1200 AA – General (Small works)
  - SANS 1200 D – Earthworks
  - SANS 1200 DA – Earthworks (Small works)
  - SANS 1200 DB – Earthworks (Pipe Trenches)
  - SANS 1200 G – Concrete (Structural)
  - SANS 1200 GA – Concrete (Small works)
  - SANS 1200 L – Medium pressure
  - SANS 1200 LB – Bedding (pipes)
  - SANS 1200 LF – Erf connections
  - SANS 1200 LK: Valves
  - SANS 1200 LN: Steel pipes and lining
  - SANS 1200 LG: Pipe Jacking
1. The latest version of SANS shall be used for this Contract.
2. Payments shall be in accordance with SANS 1200.
3. The units of measurement in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows.
  1. % - percent
  2. hr – hour
  3. Ha - hectare
  4. Kg – kilogram
  5. Kl – kilolitre
  6. Km – kilometre
  7. kPa – kilopascal
  8. kW – kilowatt
  9. l – litre
  10. m – metre
  11. mm – millimetre
  12. m<sup>2</sup> - square metre
  13. m<sup>3</sup> - cubic metre

- 14. MPa – Megapascal
- 15. No. – number
- 16. SUM – lump sum
  - t – ton (1000 kg)
  - Qty. - Quantity

2. For the purpose of the Bill of Quantities the following words shall have the meaning hereby assigned to them:

Unit: the unit of measurement for each item of work as defined in the Standard Specification.

Quantity: the number of units of work for each item.

Rate: the agreed payment per unit of measurement.

Amount: The product of quantity and agreed rate for an item.

Sum: An agreed amount for an item, the extent of which is described in the Bill of Quantities but the quantity of work of which is not measured in any unit.

hr: Is 60 minutes spent by workers or equipment doing work, intended for the Employer (ACSA) or work requested by the Employer/Service Manager/His representative. Workers may be directly or indirectly employed by the Contractor. Equipment may be directly or indirectly owned by the Contractor or equipment can be hired by the Contractor from hiring outlets of the Contractor's choice.

Day: Is nine (9) hours spent by workers or equipment or time spent doing work intended for the Employer or doing work requested by the Employer. Workers may be directly or indirectly employed by the Contractor. Equipment may be directly or indirectly owned by the Contractor or equipment can be hired by the Contractor from hiring outlets of the Contractor's choice.

Each: The whole work to be done under an item per specific intervals as may be requested by the Service Manager or his representative.

Item: An individual unit which includes several tasks to form one activity.

Visit: Visiting any areas at the airport as may be requested by the Service Manager or his representative, for the purpose of doing work as may be specified and agreed between the Contractor and The Service Manger or His representative.

- 3. It will be assumed that prices included in the bills of quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to [www.stanza.org.za](http://www.stanza.org.za) or [www.iso.org](http://www.iso.org) for information on standards).
- 4. The prices and rates in the Bill of Quantities are to be fully inclusive prices for the work described under the several items. Such prices and rates cover all costs and expenses that may be required in and for the execution of work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overheads charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.
- 5. Where the Scope of Work requires detailed drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included for and included in the unit rates and sum amount tendered such items.

6. The quantities set out in the Bill of Quantities are approximate and do not necessarily represent the actual amounts of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due and not the quantities given in the Bill of Quantities.
7. Labour charges: this hourly rate can be used in instances where there is no fixed item in the Bill of Quantities dedicated for specific work. The use of this item shall be agreed with the Service Manager or a representative that may be appointed by the Employer.
8. Note: All rates in the BOQ are Vat exclusive.

## Preliminaries and Generals costs

### Section A: Preliminary & General

Item no.	Description - Contract Administration Costs	Frequency	Quantity	Cost per item	Total cost
<b>Preliminary and General - Contract Administration Costs:</b>					
1	Airport Safety Induction Training.	Once off			
2	Airport personnel permits.	Once off			
3	Vehicle permits and branding.	Once off			
5	Health & safety requirements.	Once off			
7	Insurance.	Per 6 months.			
8	Site establishment – Storage facility.	Once off			
<b>Total preliminaries and general costs</b>					

- *N.B. Contract administrative costs not payable upfront but will be drawn off this amount as and when required. This amount covers the full contract duration of 6 months.*
- *Safety induction to be done once during the 6 months duration.*
- *Safety file cost to include medicals examinations as a once off cost.*
- *Preliminaries and generals will be paid at proven cost.*
- *\*ACSA reserves the right to retain possession of office and storage facilities established at the expense of ACSA except where the said facilities are leased.*
- *For storage facility the Employer will provide space only, the Contractor shall make arrangements to procure a container or similar facility. It will depend on the Contractor's discretion if he/she wants storage facility positioned at the Airport. The employer will only pay for the storage facility once it has been established at Cape Town International Airport (CTIA) premises. The type of storage and positioning of it shall be agreed with the Service Manager.*
- *The permit price list is provided on part C4 below. Note the prices may change from time to time.*

**Section B – Labour.**

						Amount	
						R	C
<b>Brought forward</b>							
<b>B</b>	<b>SANS 1200</b>	<b>Dayworks</b>					
Item	Specification	Description	Unit	Qty.	Rate	R	C
1	SANS 1200 A: 2.8.1; 8.5; 8.6.	Labour charges <sup>d</sup> .					
1.1		Supervisor <sup>d</sup> .					
		a) labour hours.	hr	1		Rate only	
1.2		Artisan <sup>d</sup> .					
		a) Labour hours.	hr	1		Rate only	
1.3		Labour <sup>d</sup> .					
		a) Labour hours.	hr	1		Rate only	
1.4		a) Call out fee for emergency work <sup>c</sup> .	Visit	1		Rate only	
<b>Total</b>							
carried forward							

**Section C – General.**

						R	C
<b>Brought forward</b>							
C	SANS 1200						
Item	Specification	Description	Unit	Qty	Rate	R	C
1	Refer to item 3.1.6.2.6.6. under contract specification.  SANS 1200 A: 5.2; 8.8. SANS 1921-2:2004.	Traffic accommodation <sup>a</sup> .					
1.1	Refer to items on the contract specification below.	Traffic accommodation establishment <sup>a</sup> .					
	3.1.6.2.6.5 (a)	(a) Short Term Works.	Visit	1		Rate only	
	3.1.6.2.6.5 (b)	(b) Urban streets - One-Way traffic accommodated.	Visit	1		Rate only	
	3.1.6.2.6.5. (c)	(c) Urban streets - Lane Closure in and beyond junction.	Visit	1		Rate only	
2	Refer to item 3.1.6.2.6.14 on the pages below.	CCTV inspection and pipe condition assessment <sup>a</sup> .					

2.1	Refer to item 3.1.6.2.6.14 on the pages below	CCTV camera inspection <sup>a</sup> .					
		a) Inspection including a written report on DVD.	m	1			
2.2	Refer to item 3.1.6.2.6.14 on the pages below	Pipe condition assessment including a written report <sup>a</sup> .	m	1			
3	Refer to item 3.1.6.2.6.15 on the pages below.	Over-pumping with maximum 100m delivery <sup>a</sup> .					
3.1		0-30 l/s.	hr	1		Rate only	
3.2		30-60 l/s.	hr	1		Rate only	
3.3		60-150 l/s.	hr	1		Rate only	
4		Excavation <sup>a</sup> .					
4.1	SANS 1200 D: 5.2; 8.3; SANS 1200 LG: 5.1 to 5.8. SASTT-TS-TT2:2013	Launching or pulling pits for pipe-cracking or point repairs. And set up all machinery <sup>a</sup> .					
		a) 0 to 1 m deep	m3	1		Rate only	
		b) 1 to 2 m deep	m3	1		Rate only	
		c) 2 to 3 m deep	m3	1		Rate only	
		d) 3 to 4 m deep	m3	1		Rate only	
4.2	Refer to item 3.1.6.2.6.16 on	Pipe cracking <sup>a</sup> .					

	the pages below.						
		a) 110mm.	m	1		Rate only	
		b) 125mm.	m	1		Rate only	
		c) 160mm.	m	1		Rate only	
		d) 200mm.	m	1		Rate only	
		e) 225mm.	m	1		Rate only	
		f) 250mm.	m	1		Rate only	
		g) 300mm.	m	1		Rate only	
4.3	SANS 1200 D: 5.2.3.2; SANS LB: 5.1 to 5.4.	Trenches for new pipelines <sup>a</sup> .					
		a) 0 to 1 m deep	m3	1			
		b) 1 to 2 m deep	m3	1			
		c) 2 to 3 m deep	m3	1			
		d) 3 to 4 m deep	m3	1			
		e) Trial holes	m3	1			
4.4	SANS 1200 F: 3.1 to 3.4; 4.1 to 4.4.; 5.1 to 5.10; 6.1 to 6.3; 7.1 to 7.8; 8.1 to 8.2.	Shoring <sup>a</sup> .					
		a) 2 to 3 m deep.	m2	1		Rate only	
		b) 3 to 5 m deep	m2	1		Rate only	
4.5	SANS 1200 D: 8.3.	Extra-over for excavating in <sup>a</sup> .					
		a) premix.	m2	1		Rate only	
		b) brick paving.	m2	1		Rate only	

		c) concrete (up to 250 mm thick).	m2	1		Rate only	
		d) grass.	m2	1		Rate only	
4.6	SANS 1200 M: 3.1 to 3.3; 4.5 & 6.	Reinstatement <sup>a</sup> .					
		a) Base course (G3 – 150mm supply, lay and compact to 100 MOD AASHTO).	m3	1		Rate only	
		b) Natural Gravel – 150mm supply, lay and compact to 95 MOD AASHTO.	m3	1		Rate only	
		c) Import back filling sand, place and compact.	m3	1		Rate only	
		d) Premix 30mm.	m2	1		Rate only	
		e) Brick paving.	m2	1		Rate only	
		f) Grass.	m2	1		Rate only	
		g) Concrete (100mm).	m2	1		Rate only	
4.7	SANS 1200 L: 3.11;5.7.	Supply and install new cover and frame on existing manholes and catch pits <sup>a</sup> .					
		a) Type - Heavy duty type.	Each	1		Rate only	
		b) Type – Lite duty.	Each	1		Rate only	
		c) Ion (Heavy Duty) stormwater grating frame.	Each	1		Rate only	
		d) Concrete stormwater grating frame.	Each	1		Rate only	

4.8	SANS 1200 L: 3.11;5.7.	Construct manholes (Water Mains) complete with Heavy duty covers and frame <sup>a</sup> .					
		a) 0 to 1.0m	Each	1		Rate only	
		b) 1.0 to 2.0m	Each	1		Rate only	
		c) 2.0 to 3.0m	Each	1		Rate only	
4.9	SANS 1200 L: 3.11;5.7.	Construct manholes (Water Mains) complete with lite duty covers and frames <sup>a</sup> .					
		a) 0 to 1.0m	Each	1		Rate only	
		b) 1.0 to 2.0m	Each	1		Rate only	
		c) 2.0 to 3.0m	Each	1		Rate only	
4.10	SANS 1200 LD: 3.5	Construction of a manhole complete (for sewer main), with clay bricks, a concrete slab and install heavy duty covers and frames <sup>a</sup> .					
	Type 1	a) 0 to 1m deep	Each	1		Rate only	
	Type 1	b) to 2m deep	Each	1		Rate only	
	Type 2	c) 2 to 3m deep.	Each	1		Rate only	
4.11	SANS 1200 LD: 3.5	Construction of a new manhole complete (sewer main), with clay bricks, a concrete slab and install lite duty covers and frames <sup>a</sup> .					
	Type 1	a) 0 to 1m deep	Each	1		Rate only	
	Type 1	b) to 2m deep	Each	1		Rate only	
	Type 2	c) 2 to 3m deep.	Each	1		Rate only	

4.12	SANS 1200 LE: 3.4	Supply and install new cover and frame on existing stormwater catch pits <sup>a</sup> .					
		a) Heavy duty	Each	3		Rate only	
		b) Light duty	Each	3		Rate only	
4.13	SANS 1200 LE: 3.4 to 3.5	Construct a manhole complete (stormwater), with clay bricks, concrete slab, and install a new heavy-duty cover and frame <sup>a</sup> .					
		a) 0 to 1m deep.	Each	1		Rate only	
		b) 1 to 2m deep.	Each	1		Rate only	
		c) 2 to 3m deep.	Each	1		Rate only	
		d) Single catch-pit	Each	1		Rate only	
		e) Double catch-pit	Each	1		Rate only	
4.14	SANS 1200 AA: 2.1 to 2.8; 4.1, 4.2; 5.1 to 5.5; 7.1 to 7.3.	Demolish manholes complete and dump rubble to an approved dumping site <sup>a</sup> .					
		a) 0 to 1.0m deep.	Each	1		Rate only	
		b) 1.0 to 2.0m deep.	Each	1		Rate only	
		c) 2.0 to 3.0m deep.	Each	1		Rate only	
5		Pipe replacement <sup>a</sup> .					
5.1	SANS 1200 LD: 3.1 to 3.6, 4.1 to 4.3; 5.1 to 5.10; 6.1 to 6.2;	Supply, bed, install and test Class 16 PVC pipes with O rings joints to replace existing sewer mains <sup>a</sup> .					

		a)100mm	m	1		Rate only	
		b) 110mm.	m	1		Rate only	
		c) 150mm.	m	1		Rate only	
		d) 200mm.	m	1		Rate only	
		e)225mm	m	1		Rate only	
		f) 250mm.	m	1		Rate only	
		g) 300mm.	m	1		Rate only	
5.2	SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3. 5.1 to 5.3; 6.1 to 6.4; 7.1 to 7.4.	Supply, bed, install and test Class 12,5 Type V HDPE to replace existing water mains (Joints by but- welding) <sup>a</sup> .					
		a) 110mm.	m	6			
		b) 125mm.	m	6			
		c) 160mm.	m	6			
		d) 200mm.	m	6			
		e) 225mm.	m	5			
		f) 250mm.	m	6			
		g) 300mm.	m	6			
		h) 355 mm.	m	6			
		i) 400mm.	m	6			
5.3	SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3; 5.1 to 5.3; 6.1 to 6.4; 7.1 to 7.4.	Supply, bed, install and test Class 12,5 Type V LDPE to replace existing water mains (Joints by electrofusion) <sup>a</sup>					
		a) 110mm.	m	6			
		b) 125mm.	m	6			
		c) 160mm.	m	6			

		d) 200mm.	m	6			
		e) 225mm.	m	6			
		f) 250mm.	m	6			
		g) 300mm.	m	6			
5.4	SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3. 5.1 to 5.3; 6.1 to 6.4; 7.1 to 7.4.	Supply, bed, install and test Class 9-12 uPVC pipes with uPVC couplings to replace existing water mains (Joints with spigot and socket rubber ring type) <sup>a</sup> .					
		a) 50mm.	m	6			
		b)70mm.	m	6			
		c) 100mm.	m	6			
		d)110mm.	m	6			
		e) 150mm.	m	6			
		f) 200mm.	m	6			
		g) 250mm.	m	6			
		h) 300mm.	m	6			
		i) 350mm.	m	6			
		j) 355mm..	m	6			
		k) 400mm	m	6			
5.5	SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3; 5.1 to 5.3; 6.1 to 6.4; 7.1 to 7.4.	Supply, bed, install and test Class 9-12 uPVC pipes with uPVC couplings to replace existing water mains (Join with Viking Johnson (VJ) flexible couplings) <sup>a</sup> .					
		a) 100mm.	m	6			

		b)110mm.	m	6			
		c) 150mm.	m	6			
		d) 200mm.	m	6			
		e) 250mm.	m	6			
		f) 300mm.	m	6			
		g) 350mm.	m	6			
		h) 355mm.	m	6			
		i) 400mm.	m	6			
5.6	<p>SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3; 5.1 to 5.3; 6.1 to 6.4; 7.1 to 7.4.</p> <p>Refer to item 3.1.6.2.6.2 on the pages below.</p> <p>Refer to item 3.1.6.2.6.3 on the pages below.</p>	Supply, bed, install and test Class 9-12 uPVC pipes with uPVC couplings to replace existing water mains (Join with end stub with rubber & ring joints) <sup>a</sup> _					
		a) 100mm.	m	6			
		b)110mm.	m	6			
		c) 150mm.	m	6			
		d) 200mm.	m	6			
		e) 250mm.	m	6			
		f) 300mm.	m	6			
5.7	<p>SANS 1200 L: 3.1 to 3.11; 4.1 to 4.3. 5,1 to</p>	Clean pipe/make neat and fit stainless-steel gasket clamp on an existing water pipe <sup>a</sup> .					

	5.3; 6.1 to 6.4; 7.1 to 7.4.						
		a)100mm.	Each	1		Rate only	
		b)110mm.	Each	1		Rate only	
		c)150mm.	Each	1		Rate only	
		d)200mm.	Each	1		Rate only	
		e)250mm.	Each	1		Rate only	
		f)300mm.	Each	1		Rate only	
		g)350mm.	Each	1		Rate only	
		h)355mm.	Each	1		Rate only	
		i)400mm.	Each	1		Rate only	
		j)450mm.	Each	1		Rate only	
5.8	SANS 1200 LE: 3.1 to 3.5; 4.1; 5.1 to 5.7; 6.1 to 6.5; 8.1 to 8.5.  Refer to item 3.1.6.2.6.5 on the pages below.	Supply, bed, install and test Class 75D pipes with O rings joints to replace existing stormwater pipes <sup>a</sup> .					
		a) 300mm.	m	1		Rate only	
		b) 375mm.	m	1		Rate only	
		c) 450mm.	m	1		Rate only	
		d) 525mm.	m	1		Rate only	
		e) 600mm.	m	1		Rate only	
5.9	SANS 1200 A/AA/LC	Protecting existing services <sup>a</sup> .					
		a) Crossing the excavation					
		i) Optic Fibre.	each	1		Rate only	
		ii) Electrical Cable.	each	1		Rate only	

		iii) Sewer.	each	1		Rate only	
		iv) Stormwater.	each	1		Rate only	
		b) Running parallel with the excavation.					
		i) Optic Fibre.	m	1		Rate only	
		ii) Electrical Cable.	m	1		Rate only	
		iii) Sewer.	m	1		Rate only	
		iv) Stormwater.	m	1		Rate only	
<b>Carried forward</b>							

**Section D - Sewer pipelines, stormwater, and pipe & sump cleaning.**

						R	C
<b>Brought forward</b>							
D	SANS 1200						
Item	Specification	Description	Unit	Qty.	Rate	R	C
1	Refer to item 3.1.6.2.6.13 on the pages below.	Bulk sewer pipeline cleaning <sup>a</sup> .					
1.1		dia 100 to 150mm.	m	1		Rate only	
1.2		dia 200 to 250mm.	m	1		Rate only	
1.3		dia 300 to 375mm.	m	1		Rate only	
1.4		dia 450 mm.	m	1		Rate only	
2	Refer to item 3.1.6.2.6.18 on the pages below.	Root cutting <sup>a</sup> .					
2.1		dia 100 to 150mm.	hr	1		Rate only	

2.2		dia 200 to 250mm.	hr	1		Rate only	
2.3		dia 300 to 375mm.	hr	1		Rate only	
2.4		dia 450 mm.	hr	1		Rate only	
3	Refer to item 3.1.6.2.6.12 on the pages below.	Bulk stormwater pipeline cleaning <sup>a</sup> .					
3.1		dia 200mm	m	50			
3.2		dia 225mm	m	100			
3.3		dia 300mm	m	100			
3.4		dia 375mm	m	100			
3.5		dia 450mm	m	100			
3.6		dia 525mm	m	50			
3.7		dia 600mm	m	50			
3.8		dia 675mm	m	1		Rate only	
3.9		dia 750mm	m	1		Rate only	
3.10		dia 825mm	m	1		Rate only	
3.11		dia 900mm	m	1		Rate only	
3.12		Box culvert up to 1,2 m high	m	1		Rate only	
3.13		Box culvert up to 1,6 m high	m	1		Rate only	
3.14		Box culvert up to 2,0m high	m	1		Rate only	
3.15		Box culvert up to 2.4m high	m	1		Rate only	
3.16		Cleaning of manholes	Each	1		Rate only	
3.17		Cleaning of single catch pits	Each	1		Rate only	
3.18		Cleaning of double catch pits	Each	1		Rate only	

4		Sump and pump station cleaning <sup>a</sup> .					
4.1	Refer to item 3.1.6.2.6.8 on the pages below.	Suction cleaning of all 7x sewer sumps, 2x Conservancy tank & 2 x septic tanks with super sucker, transport the waste to the nearest sewerage plant and produce a proof of dumping. Work usually happens once a month <sup>a</sup>	Each	6			
4.2	Refer to item 3.1.6.2.6.9 on the Contract pages below.	Cleaning of all 3 x wash bays oil separator pits, transport the waste to the nearest waste area and produce proof of dumping. Work usually happens once every 3 months <sup>a</sup> .	Each	6			
4.3	Refer to item 3.1.6.2.6.7 on the pages below.	Cleaning of all 5 stormwater sumps with super sucker. Transport waste to the nearest dumping site and provide proof of dumping. Work usually happens once every 3 months <sup>a</sup> .	Each	6			
4.4	Refer to item 3.1.6.2.6.8 on the pages below.	Clean 1 x sewer sump with super sucker, transport waste to the nearest sewerage plant and produce a proof of dumping <sup>a</sup> .	Each	1		Rate only	
4.5	Refer to item 3.1.6.2.6.7 on the Contract pages below.	Clean 1 x stormwater sump with super sucker, transport waste to the nearest hazardous waste dumping site and provide proof of dumping <sup>a</sup> .	Each	1		Rate only	
4.6	Refer to item 3.1.6.2.6.10 on the	Clean 1 x conservancy with super sucker, transport waste to the nearest	Each	1		Rate only	

	Contract pages below.	sewage plant and produce a proof of dumping <sup>a</sup> .					
5	Refer to item 3.1.6.2.6.11 on the pages.	Dumping and transport <sup>a</sup> .					
5.1	Refer to item 3.1.6.2.6.11 on the pages below.	Dumping of uncontaminated silt <sup>a</sup> .	ton	1		Rate only	
5.2	Refer to item 3.1.6.2.6.11 on the pages below.	Dumping of contaminated silt (proof of dumping required) <sup>a</sup> .	ton	1		Rate only	
6	Refer to item 3.1.6.2.6.7 on the pages below.	Cleaning of open channels, ponds <sup>a</sup> .					
6.1	Refer to item 3.1.6.2.6.7 on the pages below.	Cleaning of stormwater open channels lined with grass blocks; remove debris, alien vegetation from banks and sediment (including disposal of waste) <sup>a</sup> .	hr	1		Rate only	
6.2	Refer to item 3.1.6.2.6.7 on the pages below.	Cleaning of Road Lodge pond: Cleaning of the pond Inlet, open channel and outlet, remove debris, siltation, sludge, alien vegetation and sediment. Include cleaning by going into the inlet culvert by 10 m. (Work usually done every 3 months of the year). Note: no additional hours or cost shall be added after work has been	Each	2			

		completed, the rate submitted here is final <sup>a</sup> .					
6.3	Refer to item 3.1.6.2.6.6 on the pages below.	Cleaning of ACSA Pond: cleaning of 460m2 and 1.2m deep Containment Basin at ACSA Pond. Remove oil, fuel, detergent and other chemicals. Remove floating trash and debris. Empty the basin and remove sediment. Remove and manage invasive weeds and alien vegetation from banks and in vicinity of outlet. (Work usually done every 3 months of the year). Note: no additional hours or cost shall be added after work has been completed, the rate submitted here is final <sup>a</sup> .	Each	2			
6.3	Refer to item 3.1.6.2.6.8 on the pages below.	Cleaning of Robert Sobukwe pond: Cleaning of stormwater open channels lined with grass blocks. Clean the inlet & outlet of the open channel. Clean the inlet and outlet of the pond. Clean the pond, remove debris, alien vegetation from banks and sediment (including disposal of waste) <sup>a</sup> .	Each	2			

**Section E - water reticulation**

						R	C
<b>Carried forward</b>							
E	SANS 1200						
Item	Specification	Description	Unit	Qty.	Rate	R	C
1	SANS 1200 L: 3.1 to 3.11	Valves <sup>a</sup> .					
	Refer to item 3.1.6.2.6.4 on pages below.						
		Replace existing valve, work includes material, labour, and testing <sup>a</sup> .					
1.1		100mm	Each	1		Rate only	
1.2		150mm	Each	1		Rate only	
1.3		200mm	Each	1		Rate only	
1.4		250mm	Each	1		Rate only	
1.5		300mm	Each	1		Rate only	
1.6		350mm	Each	1		Rate only	
1.7		355mm	Each	1		Rate only	

1.8		400mm	Each	1		Rate only	
1.9		450mm	Each	1		Rate only	
2	SANS 1200 L: 3.1 to 3.11	Hydrants <sup>a</sup> .					
		Demolish existing fire hydrant chambers. Replace existing fire hydrant with new hydrant including fittings and testing <sup>a</sup> .					
2.1		100mm	Each	1		Rate only	
2.2		150mm	Each	1		Rate only	
2.3		200mm	Each	1		Rate only	
2.4		225mm	Each	1		Rate only	
		Hydrant assembly offset from water main <sup>a</sup> .					
2.5		100mm	Each	1		Rate only	
2.6		150mm	Each	1		Rate only	
2.7		200mm	Each	1		Rate only	
2.8		225mm	Each	1		Rate only	
3	Refer to item 3.1.6.2.6.4 on the pages below.	Water meters <sup>a</sup> .					
3.1		Supply and install new water meter to replace existing water meter including fittings and testing <sup>a</sup> .					
		a) 50mm	Each	2			

		b) 100mm	Each	3			
		c) 150mm	Each	2			
		d) 200mm	Each	2			
		e) 250mm	Each	1			
		f) 300mm	Each	1			
3.2	Refer to item 3.1.6.2.6.4 on the pages below.	Remove water meter, take it for calibration and reinstall the water meter. Work to include all material, fittings, labour, and testing <sup>a</sup> .					
		a) 50mm	Each	1		Rate only	
		b) 100mm	Each	1		Rate only	
		c) 150mm	Each	1		Rate only	
		d) 200mm	Each	1		Rate only	
		e) 250mm	Each	1		Rate only	
		f) 300mm	Each	1		Rate only	
		g) 350mm	Each	1		Rate only	
3.3	Refer to item 3.1.6.2.6.4 on the pages below.	Repairs to water meters and Contractor costs <sup>a</sup> .	Each	1		Rate only	
3.4	SANS 241	Water quality sampling and Contractor costs <sup>a</sup> .	Each	1		Rate only	
4	Refer to item 3.1.6.2.6.17 on pages below.	Provide steel valve keys <sup>a</sup>					
4.1		1m to 2m	Each	1			

4.2		2m to 3m	Each	1			
<b>Carried forward</b>							

**Section F: Material & Plant**

						R	C
<b>Brought forward</b>							
F	SANS 1200						
Item	Specification	Description	Unit	Qty.	Rate	R	C
1	SANS 1200 A: 3	Supply material <sup>d.g.</sup>					
1.1		Bag of cement.	Each	1		Rate only	
1.2		Sand.	m <sup>3</sup>	1		Rate only	
1.3		19mm stone.	kg	1		Rate only	
1.4		Standard (80mm x106mm x 220mm) size construction brick.	Each	1		Rate only	
1.5		Standard (140mm x 190mm x 390mm) size construction block.	Each	1		Rate only	
1.6		10 m oil separator boom for ACSA stormwater pond.	No.	12			
2	SANS 1200: 4	Supply plant only <sup>a,b,d,f.</sup>					

2.1		6inch pump with up to 20 inlet and outlet pipe.	hr	1		Rate only	
2.2		Lighting equipment (include 4 head lights and associated electrical powering generator).	Each	1		Rate only	
2.3		Plate compactor.	hr	1		Rate only	
2.4		Flatbed truck (3t).	hr	1		Rate only	
		Compressor (16 m <sup>3</sup> /min) including hoses and breakers.	hr	1		Rate only	
		Walk behind vibrating roller (1t).	hr	1			
<b>Total amount</b>							

**Schedule of quantities cost summary table:**

Item	Description	Amount (R)
1	Section A: Preliminary & General.	
2	Section B: Labour, plant & equipment, and material.	Rate only
3	Section C: General.	
4	Section D: Sewer pipelines, stormwater, and pipe & sump cleaning.	
5	Section E: Water reticulation.	
6	Section F: Material plant and equipment.	
Total amount Exclusive vat		
<b>Total Offer Inclusive Vat</b>		

**Mark-up on third party procured parts / Supplies.**

Additional spares and specialised sub-contracted work may be charged at cost plus mark-up. VAT shall not form part of mark-up calculations. Cost shall be net cost (excluding VAT) of parts supplied to site with all discounts deducted. Percentage added shall include profit, overheads, financing, contract insurance, guarantee costs and supervision, engineering, and management.

Note that the Mark-up percentage below shall not be used for items already covered or included on the above price list, Mark-up percentage shall apply only on additional items not covered or included on the above price list.

ACSA retains the right to procure of equal quality and standard if such goods or services can be procured at a lower cost, and supply same to the Contractor for fitment or use.

VALUE OF ITEM OR SERVICE	MARK-UP PERCENTAGE (%)
R0 - R 2000	20
R 2001 - R5000	15
R5001 - R10 000	10
R10 001 - R50 000	8
Over R50 001	5