Numbers Sheet Name	Numbers Table Name	Excel Worksheet Name
Annex Cover XXX Village		
	Table 1	Annex Cover XXX Village
Sched1 P&G		
	Table 1	Sched1 P&G
Sched2 Site Clearance		
	Table 1	Sched2 Site Clearance
Sched3 Wat Earthworks		
	Table 1	Sched3 Wat Earthworks
Sched4 Wat Pipeworks		
	Table 1	Sched4 Wat Pipeworks
Summary		
	Table 1	Summary
Flexible (2)		
	Table 1	Flexible (2)
Flexible Bulk Steel		
	Table 1	Flexible Bulk Steel
Flexible		
	Table 1	Flexible

SCHEDULE 1: **PRELIMINARY & GENERAL**

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
	SANS	**SCHEDULE 1:**				
1	2001A	PRELIMINARY & GENERAL				
1,1	8,3	**FIXED-CHARGE ITEMS**				
1.1.1	8.3.1	1. Contractual requirements	Sum	1		
	8.3.2	2. Establishment of facilities on the site:				
1.1.2	PSA 8.3.2.2	1) Facilities for the Engineer				
		a. Name Boards	No	1		
		b. Furnished Office(No.2)	Sum	1		
		c. Latrine facilities	Sum	1		
		d. Covered carport	Sum	1		
		e. Survey instruments(1 no)	Sum	1		
	PSA 8.3.2.2	2) Facilities for the Contractor				
		a. Offices and storage sheds	Sum	1		
		b. Workshops	Sum	1		
		c. Ablution and latrine facilities	Sum	1		
		d. Tools and equipment	Sum	1		
		e. Water supplies and electric power and communications	Sum	1		
		f. Security of works	Sum	1		Rate Only
1.1.3	8.3.3	Other fixed-charge obligations	Sum	1		
1.1.4	8.3.4	Removal of site establishment	Sum	1		
1.1.5		Locating existing services	PC Sum	1	500000,00	500 000,00
1.1.6		Provision for reinstating of existing fences	PC Sum	1	400 000,00	400 000,00
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
1,2	8,4	**TIME-RELATED ITEMS**				
1.2.1	8.4.2	Operation and maintenance of facilities on site for the duration of construction				
1.2.1.1	8.4.2.2	2) Facilities for Contractor for construction duration, except where otherwise stated				
		a. Offices and storage sheds	Month	12		
		b. Workshops	Month	12		
		c. Ablution and latrine facilities	Month	12		
		d. Tools and equipment	Month	12		
1.2.2	8.4.3	Supervision for the duration of construction	Month	12		
1.2.3	8.4.4	Company and head office overhead costs for the duration of the Contract	Month	12		
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
1.2.6	PS7	Allow for compliance with all aspects of the				
		OH&S Spec including:				
		risk assessment; provision of the safety plan; appointme				
		safety officer; safety training (induction) of workforce and				
		notification(s) to the Department of Labour	Month	12		
1.2.7	PS8	Allow for compliance with all aspects of the				
		Environment Management Plan	Month	12		
	PS 12	2) Training of Workers				
		a. Training allowance paid to targeted labour in	PC Sum	1		30 000,00
		terms of formal training				
		b. Overheads, charges and profit on (a) above	%			
		c. Transportation and communication of workers for	PC Sum	1		30 000,00
		training where it is not possible to undertake the				
		training in close proximity to the site				
		d. Overheads, charges and profit on (c) above	%			
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
		3) Relocation of services				
		a. Relocation of essential services to be done by administering authority if required	PC Sum	1		35 000,00
		b. Overheads, charges and profit on (a) above	%			
		4) Community Liaison Officer				
		a. Allow for work done by community liaison officer	Month	12	5000,00	60 000,00
		b. Overheads, charges and profit on (a) above	%			
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
1,4	8,7	**DAY WORKS**				
		Note: To be executed on instruction of the Engineer only				
		1. Labour				
		a. Skilled	hr			Rate Only
		b. Semi-skilled	hr			Rate Only
		c. Unskilled	hr			Rate Only
		d. Armed guard	Man-days			Rate Only
		2. Plant Hire (Work rates on site)				
		Tipper trucks				
		a. Capacity 6 m3 (small)	hr			Rate Only
		b. Capacity 10m3 (medium)	hr			Rate Only
		c. Capacity 12m3 (large)	hr			Rate Only
		Flat bed trucks				
		d. Capacity 3 tonne (small)	hr			Rate Only
		e. Capacity 5 tonne (medium)	hr			Rate Only
		f. Capacity 10 tonne (large)	hr			Rate Only
		3. LDVs				
		a. Capacity 1 tonne	km			Rate Only
		4. Water tankers				
		a. Capacity 6 000 litres (small)				
			hr			Rate Only
		b. Capacity 9 000 litres (medium)				
			hr			Rate Only
		c. Capacity 15 000 litres (large)				
			hr			Rate Only
		5. Excavators				
		Crawler excavators				
		a. 20 tonne				
			hr			Rate Only
		b. 30 tonne				
			hr			Rate Only
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
		6. TLBs				
		Tractor Loader Backhoe				
		a. 2 x 4				
			hr			Rate Only
		b. 4 x 4				
			hr			Rate Only
		7. Rollers				
		Walk behind vibrating rollers				
		a. Model BW 61 (small)				
			hr			Rate Only
		b. Model BW 76 (medium)				
			hr			Rate Only
		c. Model BW 90 (large)				
			hr			Rate Only
		8. Compactors				
			hr			Rate Only
		9. Compressors				
		Portable diesel compressors				
		a. Small				
			hr			Rate Only
		b. Medium				
			hr			Rate Only
		c. Large				
			hr			Rate Only
		10. Water pumps				
		Portable water pumps				
		a. Small				
			hr			Rate Only
		b. Medium				
			hr			Rate Only
		c. Large				
			hr			Rate Only
TOTAL CARRIED FORWARD TO SUMMARY						

BROUGHT FORWARD						
		a. 2 x 4				
			hr			Rate Only
		b. 4 x 4				
			hr			Rate Only
		7. Rollers				
		Walk behind vibrating rollers				
		a. Model BW 61 (small)				
			hr			Rate Only
		b. Model BW 76 (medium)				
			hr			Rate Only
		c. Model BW 90 (large)				
			hr			Rate Only
		8. Compactors				
			hr			Rate Only
		9. Compressors				
		Portable diesel compressors				
		a. Small				
			hr			Rate Only
		b. Medium				
			hr			Rate Only
		c. Large				
			hr			Rate Only
		10. Water pumps				
		Portable water pumps				
		a. Small				
			hr			Rate Only
		b. Medium				
			hr			Rate Only
		c. Large				
			hr			Rate Only
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE 2: SITE CLEARANCE

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
2	SANS PSC 2001 C	**SCHEDULE 2:** SITE CLEARANCE				
2,1	8.2.1	Clear and grub 1.0m wide street strip for pipe in road reserve.	m	31029		
2,2	8.2.2	Remove and grub large trees, and tree stumps of girth:				
		a. Over 1m and up to and including 2m	No	4		
		b. Over 2m and up to and including 3m	No	3		
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE 3: WATER SUPPLY - EARTHWORKS

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
3	SANS	**SCHEDULE 3:**				
		WATER SUPPLY - EARTHWORKS				
3,1	2001DB	**EXCAVATIONS**				
	PSDB 8.3.2	Excavate in all materials for trenches, backfill, compact and				
		for trenches, and dispose of excess material				
		a) For base width up to 1000mm,				
		Excavation depth over and up to:				
		1) 0.0 m to 1.5 m	m	31 029		
		2) 1.5 m to 2 m	m	9 309		
3,2	8.3.2	Extra-over items 3.1 for				
		1. Intermediate excavation	m³	7 447		
		2. Hard rock excavation	m³	13 032		
3,3	8.3.2	Excavate and dispose of unsuitable material from				
		trench bottom (Provisional)	m³	1 280		
3,4	8.3.3	**EXCAVATION ANCILLARIES**				
3,5	8.3.3.3	Compaction in road reserves	m³	2 360		
3,6	8.3.5	Existing services that intersect or adjoin a pipe trench				
		a. Services that intersect a trench	No.	45		
		b. Services that adjoin a trench	m	1 280		
	SANS 2001LB	**BEDDING**				
3,7	8.2.1	Provision of bedding from trench				
		excavation				
		a. Selected granular	m³	5 585		
		b. Selected fill	m³	13 032		
3,8	8.2.2	Provision of bedding from commercial source				
		a. Selected granular	m³	0		Rate Only
		b. Selected fill	m³	0		Rate Only
3,9	8.2.4	Encasing of pipes in concrete (20MPa)	m³	18		0,00
TOTAL CARRIED FORWARD TO SUMMARY						

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
4	SANS	**SCHEDULE 4:**				
		WATER SUPPLY - PIPEWORKS				
4,1	2001L	**PIPES**				
4.1.1	8.2.1a	Supply, handle, lay, bed in flexible pipe bedding and test				
		uPVC class 9 pipes complete with spigot and socket joints to SABS				
		1. 63 mm diameter	m	21 000		
		2. 75 mm diameter	m	12 119		
		3. 90 mm diameter	m	7 179		
		4. 110 mm diameter	m	4 030		
4,2	8.2.2	**SPECIALS AND FITTINGS**				
		Extra-over item 4.1 for supplying, handling, laying,				
		bedding, jointing and testing of the following fittings				
4.2.1		**Bends**				
		11.25 degree bends				
		1. 63 mm diameter	No	87		
		2. 75 mm diameter	No	17		
		3. 90 mm diameter	No	21		
		4. 110 mm diameter	No	11		
		22.5 degree bends				
		1. 63 mm diameter	No	43		
		2. 75 mm diameter	No	14		
		3. 90 mm diameter	No	31		
		4. 110 mm diameter	No	10		
		45 degree bends				
		1. 63 mm diameter	No	36		
		2. 75 mm diameter	No	14		
		3. 90 mm diameter	No	18		
		4. 110 mm diameter	No	21		
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
		90 degree bends				
		1. 63 mm diameter	No	40		
		2. 75 mm diameter	No	12		
		3. 90 mm diameter	No	13		
		4. 110 mm diameter	No	8		
4.2.2		**Cast Iron Tees**				
		1. 75 X 63 mm diameter	No	8		
		2. 90 X 63 mm diameter	No	31		
		3. 110 X 63 mm diameter	No	10		
		4. 110 X 75 mm diameter	No	5		
		5. 110 X 90 mm diameter	No	4		
4.2.3		**Cast Iron Equal Tees**				
		1. 63 mm diameter	No	47		
		2. 75 mm diameter	No	8		
		3. 90 mm diameter	No	14		
4.2.4		**Flange adaptors**				
		1. 63 mm diameter	No	13		
		2. 75 mm diameter	No	5		
		3. 90 mm diameter	No	6		
		4. 110 mm diameter	No	3		
4.2.5		**Reducers**				
		1. 75 X 63 mm diameter	No	5		
		2. 90 X 63 mm diameter	No	11		
		3. 90 X 75 mm diameter	No	4		
		4. 110 X 63 mm diameter	No	7		
		5. 110 X 75 mm diameter	No	3		
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						
		6. 110 X 90 mm diameter	No	3		
4.2.6		**Cast Iron End Caps**				
		1. 63 mm diameter	No	4		
4,3	PSL3.10	**Isolating valves**				
	PSL 3.10.2	Extra-over item 4.1 for the supplying, installing cutting in and testing flanged Class 12 clockwise closing non rising spindle resilient seal gate valves , as per drawing.				
		1. 63 mm diameter	No	5		
		2. 75 mm diameter	No	4		
		3. 90 mm diameter	No	2		
		4. 110 mm diameter	No	4		
4,4	PSL3.10	**Water Meter**				
		Kent Helix H4000 woltmann-type flanged water meter				
		or similar approved as per drawing , for pipe diameters:				
		1. 63 mm diameter	No	3		
		2. 75 mm diameter	No	1		
		3. 90 mm diameter	No	1		
		4. 110 mm diameter	No	6		
4,5	PSL5.6	**CHAMBERS**				
		Construct valve chambers complete with step irons,				
		cover and frames, as per drawing	No.	15		
		4. Backfill chambers using selected fill	m³	150		
4,6		**SUNDRIES**				
4.6.1	8.2.11	Thrust blocks and pedastals class 25/19 concrete, as per				
		drawing	m³	32,0		
4,7		Pipe Markers				
		Supply and install precast concrete pipeline markers, as per				
		drawing	No	8		
	SANS 2100 LF					
		RDP STANDPIPES				
4,8	8.2.1	Supply and install Polypropylene or				
		Cast Iron Saddles for RDP Standpipes.				
		Outlet standard 25mm dia BSP thread.				
		Saddle to fit the following pipes:				
		(a) 63 mm dia uPVC, Class 9	No.	426		
		(b) 75 mm dia uPVC, Class 9	No.	14		
TOTAL CARRIED FORWARD TO SUMMARY						

Volume 1 Pricing Data	**MOORDKOPPIE MINI WATER SCHEME 22 PHASE 3 - B (Millennium Park)**	
		SUMMARY OF BILL OF QUANTITIES
SCHEDULE	**DESCRIPTION**	**AMOUNT (R)**
SCHEDULE 1:	PRELIMINARY AND GENERAL	
SCHEDULE 2:	SITE CLEARANCE	
SCHEDULE 3:	WATER SUPPLY- EARTHWORKS	
SCHEDULE 4:	WATER SUPPLY- PIPE WORKS	
Subtotal 2		
Sub-total 3		
VAT		
TOTAL		