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 4	Dala do Dita Ola mana
Sahada Wat Forthworks	Table 1	Sched2 Site Clearance
Sched3 Wat Earthworks	Table 1	Sched3 Wat Earthworks
Sched4 Wat Pipeworks	Table 1	Ochedo Wat LaitiWorks
	Table 1	Sched4 Wat Pipeworks
Summary		
	Table 1	Summary
Flexible (2)		
Florible Dolla Ota al	Table 1	Flexible (2)
Flexible Bulk Steel	Toble 1	Flexible Bulk Steel
Flexible	Table 1	riexible bulk Steel
I IGAIDIG	Table 1	Flexible
	TUDIO I	1 IONIDIO

			SCHEDULE	1:	PRELIMINA	RY & GENERAL
TOTAL	CARRIER FORV	VARD TO SUMMARY				
TOTAL		VARD TO SUMMARY				
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	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
1.1.2						

BROU	GHT 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	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
TOTAL	. CARRIED FORV	VARD				
IUIAL	CARRIED FORV	VARU				-

BROU	GHT FORWARD					-
100	PS7	Allow for correling a with all correts of the				
1.2.6	P5/	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		
		Environment Management Plan	IVIOTILIT	12		
	PS 12	2) Training of Workers				
		Training allowance paid to targeted labour in terms of formal training	PC Sum	1		35 000,00
			21			
		b. Overheads, charges and profit on (a) above	%			
		c. Transportation and communication of workers for training where it is not possible to undertake the	PC Sum	1		30 000,00
		training in close proximity to the site				
		d. Overheads, charges and profit on (c) above	%			
					1	
					<u> </u>	
				<u> </u>		
						<u> </u>
					<u> </u>	
					<u> </u>	
TOTAL	CARRIED FORW	ARD	1	1	I	

BROU	GHT 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 FORWA	ARD				

	T FORWARD			
1,4	8,7	DAY WORKS		
		Note: To be executed on instruction of the Engineer only	,	
		1. Labour		
		1. Labour		
		a. Skilled	hr	Rate Only
		b. Semi-skilled c. Unskilled	hr hr	Rate Only 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 had been be		
		Flat bed trucks		
		d. Capacity 3 tonne (small)	hr	Rate Only
			h.	
		e. Capacity 5 tonne (medium)	hr	Rate Only
		f. Capacity 10 tonne (large)	hr	Rate Only
		0.100/-		
		3. LDVs		
		a. Capacity 1 tonne	km	Rate Only
		4 Websterless		
		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		
		b. 30 tonne	hr	Rate Only
		b. 66 toline		
			hr	Rate Only
TAL C	ARRIED FOR	RWARD		+

BROUGHT	FORWARD		
BROOGITI	TORWARD		
	6. TLBs		
	Tractor Loader Backhoe		1
	a. 2 x 4		
	-	hr	Rate Only
	b. 4 x 4		
		hr	Rate Only
	7. Rollers		i i
	Walk behind vibrating rollers		
ĺ	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		ļ
	a. Small		<u> </u>
		hr	Rate Only
	b. Medium		1 1 2
	la Law:	hr	Rate Only
	c. Large		1
		hr	Rate Only
	10 Water mureus		
	10. Water pumps Portable water pumps		
	a. Small		<u> </u>
	a. Siliali	hr	Rate Only
	b. Medium	TIF	Rate Only
	b. Medium	hr	Rate Only
	c. Large	TH THE	Rate Offig
	c. Large	hr	Rate Only
		111	Rate Offig
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TOTAL CA	RRIED FORWARD TO SUMMARY		-

BROU	GHT 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)			
		a. moder by the contains	hr		Rate Only
		b. Model BW 76 (medium)			,
			hr		Rate Only
		c. Model BW 90 (large)			
			hr		Rate Only
		8. Compactors	hr		Rate Only
			111		Rate Offig
		9. Compressors			
		Portable diesel compressors			
		a. Small	<u> </u>		<u> </u>
			hr		Rate Only
		b. Medium			
		Lo Lorgo	hr		Rate Only
		c. Large	hr		Rate Only
			"		Trate Only
		10. Water pumps			
		Portable water pumps	İ		
		a. Small			
			hr		Rate Only
		b. Medium	t		D-t- O-t-
		c. Large	hr		Rate Only
		C. Large	hr		Rate Only
			1"		Trate Only
			<u> </u>		<u> </u>
			<u> </u> 		
			<u> </u>		
			<u> </u>		
			<u> </u>		
TOTA	I CARRIER FORM	ADD TO CUMMADY	1		
IOIA	L CARRIED FURW	ARD TO SUMMARY			

	Volume Pricing	: 1 Data					-
Payment Reference Description Unit Qty (R) SANS SCHEDULE 2: 2 PSC 2001 C SITE CLEARANCE 2,1 8.2.1 Clear and grub 1.0m wide street strip for pipe in road reserve. m 38873 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 5	i nomg	Data		2011	FDIII F A	OIT	E OI EADANOE
Reference Description Unit Qty (R)				SCH	EDULE 2:	511	E CLEARANCE
Reference Description Unit Qty (R)		Payment				Rate	Amount
2 PSC 2001 C SITE CLEARANCE 2,1 8.2.1 Clear and grub 1.0m wide street strip for pipe in road reserve. m 38873 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 5	Item	Reference	Description	Unit	Qty	(R)	(R)
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 No No	2	SANS PSC 2001 C	SCHEDULE 2: SITE CLEARANCE				
a. Over 1m and up to and including 2m No 5	2,1	8.2.1	Clear and grub 1.0m wide street strip for pipe in road reserve.	m	38873		
	2,2	8.2.2	Remove and grub large trees, and tree stumps of girth:				
b. Over 2m and up to and including 3m No 5 No 6 7 7 8 8 8 8 8 8 8 8 8 8 8			a. Over 1m and up to and including 2m	No	5		
			b. Over 2m and up to and including 3m	No	5		
TOTAL CARRIED FORWARD TO SUMMARY	TOTAL	CARRIED FOR	WARD TO SUMMARY	1	<u> </u>	1	

Pricing	e 1 Data					-
		SCHEDULE 3:			WATER SUPPLY	- EARTHWORKS
	Payment				Rate	Amount
Item	Reference	Description	Unit	Qty	(R)	(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	38 873		
		2) 1.5 m to 2 m	m	0		Rate Only
3,2	8.3.2	Extra-over items 3.1 for				
		Intermediate excavation	m³	13 994		
		Hard rock excavation	m³	16 327		
3,3	8.3.2	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m³	5 580		
3,4	8.3.3	EXCAVATION ANCILLARIES				
3,5	8.3.3.3	Compaction in road reserves	m³	2 560		
3,6	8.3.5	Existing services that intersect or adjoin a pipe trench				
		a. Services that intersect a trench	No.	120		
		b. Services that adjoin a trench	m	3 500		
	SANS 2001LB	BEDDING				
3,7	8.2.1	Provision of bedding from trench excavation				
		a. Selected granular	m³	6 997		
		b. Selected fill	m³	16 327		
2.0	0.2.2		111	10 327		
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	32		

Volume Pricing	1 Data					
		SC	HEDULE 4:		WATER SUP	PLY - PIPEWORKS
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	23 019		
		2. 75 mm diameter	m	10 291		
		3. 90 mm diameter	m	5 563		
		4. 110 mm diameter	m	0		Rate Only
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	115		
		2. 75 mm diameter	No	12		
		3. 90 mm diameter	No	18		
		4. 110 mm diameter	No	9		
		22.5 degree bends				
		1. 63 mm diameter	No	63		
		2. 75 mm diameter	No	8		
		3. 90 mm diameter	No	17		
		4. 110 mm diameter	No	9		
		45 degree bends				
		1. 63 mm diameter	No	48		
		2. 75 mm diameter	No	7		
		3. 90 mm diameter	No	11		
		4. 110 mm diameter	No	16		
TOTAL	CARRIED FO	RWARD				

l				İ	
	90 degree bends				_
	1. 63 mm diameter	No	126		
	2. 75 mm diameter	No	8		
	3. 90 mm diameter	No	6		
	4. 110 mm diameter	No	4		
4.2.2	Cast Iron Tees				_
	1. 75 X 63 mm diameter	No	3		_
	2. 90 X 63 mm diameter	No	42		
	3. 110 X 63 mm diameter	No	19		
	4. 110 X 75 mm diameter	No	1		
	5. 110 X 90 mm diameter	No	3		
4.2.3	Cast Iron Equal Tees				
	1. 63 mm diameter	No	64		
	2. 75 mm diameter	No	4		
	3. 90 mm diameter	No	11		
4.2.4	Flange adaptors				_
	1. 63 mm diameter	No	11		_
	2. 75 mm diameter	No	2		_
	3. 90 mm diameter	No	3		
	4. 110 mm diameter	No	1		
4.2.5	Reducers				
	1. 75 X 63 mm diameter	No	4		
	2. 90 X 63 mm diameter	No	14		_
	3. 90 X 75 mm diameter	No	1		
	4. 110 X 63 mm diameter	No	5		
	5. 110 X 75 mm diameter	No	1		
					_
					_
					_

		6. 110 X 90 mm diameter	No	4		
4.2.6		Cast Iron End Caps		1		
		1. 63 mm diameter	No	13		
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	4		
		2. 75 mm diameter	No	1		
		3. 90 mm diameter	No	1		
		4. 110 mm diameter	No	6		
		4. TO THIT GIARICE	140			
4,4	PSL3.10	Water Meter				
		or similar approved as per drawing , for pipe diameters:	1			
4,5			ļ			
		1. 63 mm diameter	No	4		
		2. 75 mm diameter	No	1		
		3. 90 mm diameter	No	1		
		4. 110 mm diameter	No	6		
	PSL5.6	CHAMPERS				
	PSL5.0	CHAMBERS				
		Construct valve chambers complete with step irons,				
		cover and frames, as per drawing	No.	19		
		4. Backfill chambers using selected fill	m³	165		
4,6		SUNDRIES				
4.6.1	8.2.11	Thrust blocks and pedastals class 25/19 concrete, as per		1		
	<u> </u>	drawing	m³	18,0		
				ļ		
4,7		Pipe Markers Supply and install precast concrete pipeline markers, as per				
		drawing	No	8		
	SANS 2100 LF	RDP STANDPIPES				
		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		
			-		-	
			1			
			1	1		

MOORDKOPPIE MINI WATER SCHEME 22 PHASE 3 - B (Witrivier)				
	SUMMARY OF BILL OF QUANTITIES			
DESCRIPTION	AMOUNT (R)			
PRELIMINARY AND GENERAL				
SITE CLEARANCE				
WATER SUPPLY - EARTHWORKS				
WATER SUPPLY - PIPEWORKS				
	DESCRIPTION PRELIMINARY AND GENERAL SITE CLEARANCE WATER SUPPLY - EARTHWORKS			