CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL: SECTION:

1 1200 : GENERAL REQUIREMENTS AND PROVISION

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
1.1	12.01	(a) Allowance for provision of Community Laison Officer at R6000 per month plus R500 airtime	Month	6	6 500,00	R39 000,00
1.2		(b) Civil Engineering student for in-service @ 6000 per month plus R 500 airtime	Month	6	6 500,00	R39 000,00
1.3		(C) Remuneration of PSC members to attend official meetings, 6 members, R300,00 per seating	Month	6	1 800,00	R10 800,00
1.4 1.5		(d) Contractor's handling costs in respect of sub item 13.2 (a,b & C) above OCCUPATIONAL HEALTH AND SAFETY	%	268 000,00	0,10	R26 800,00
		COMPLIANCE (a) Preparation of Contractor's site specific Health and Safety Plan	Sum	1		
1.6		(b) Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Sum	1		
1.7		(c) Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations	Month	6		
1.8		(d) Health and safety compliance officer	Sum	1		
1.9		(e) OHS monthly safety monthly audits	P/Sum	1	100 000,00	R100 000,00
1.10		Contractor's handling cost item above. sub item 1.9	%	100 000,00	10,00%	R10 000,00
1.11 1.12 1.13	12.03	Additional survey as required by the Engineer Geotechnical Investigation ENVIRONMENTAL COMPLIANCE	P/Sum P/Sum	1	50 000,00 50 000,00	R50 000,00 R50 000,00
1.14	12.04	(a) Environmental Management Plan	P/Sum	1	25 000,00	R25 000,00
1.14.1		(b) Environmental Compliance officer	P/Sum	1	75 000,00	R75 000,00
1.14.2		Allowance for environmental monthly audit as per EMPr	P/Sum	1	150 000,00	R150 000,00
1.14.3		Contractor's handling cost item above.	%	350 000,00	10,00%	R15 000,00
TOTAL FOI	R SECTION 1	II CARRIED FORWARD TO SUMMARY		1		

CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL: SECTION:

2 1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
2.1	13.01	CONTRACTOR'S GENERAL OBLIGATIONS				
2.1.1		(a) Fixed obligations	L/Sum	1		
2.1.2		(b) Value-related obligations	L/Sum	1		
2.1.3		(c) Time-related obligations	Month	6		
		Note: Preliminary & general cost must not exceed 20% of the works				

BILL:

CONTRACT TITLE: Ntlenzi to Mcetheni Road

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
3.1	14.01	Office and laboratory accommodation				
3.1.1		(a) Offices (interior floor space only)	Month	6		
3.1.2		(e) Ablution units	Month	6		
3.1.3		(f) Stores	Month	6		
3.2	14.02	Office and laboratory furniture				
3.2.1		(a) Chairs	No	4		
3.2.2		(d) Desks, complete with drawers and locks	No	4		
3.2.3		(f) Notice boards as specified	No	2		
3.2.4		Allowance for Facilities for the Engineer	P/Sum	1	30 000,00	R30 000,00
3.2.5		Contractor's handling cost as per item above.	%	30 000,00	10,00%	R3 000,00

CONTRACT TITLE:

BILL:

Ntlenzi to Mcetheni Road

SECTION:

4 1500 : ACCOMMODATION OF TRAFFIC

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
4.1	15.01	Accommodation of traffic and maintaining deviations	Km	11,5		
4.2	15.03	Temporary traffic-control facilities				
4.2.1		(a) Flagperson	No	2		
4.2.2		(b) Portable STOP and GO-RY signs	Month	6		
TOTAL FOR	SECTION 4	CARRIED FORWARD TO SUMMARY				

CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL:

SECTION: 5 1600 : OVERHAUL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
5.1	16.02	Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)	m³-km	10000		
		(ordinary overnaur)				
TOTAL FOR	SECTION 5	CARRIED FORWARD TO SUMMARY				

CONTRACT TITLE:

CONTRACT III

Ntlenzi to Mcetheni Road

BILL: 6 1700: CLEARING AND GRUBBING SECTION: **PAYMENT RATE AMOUNT** ITEM **DESCRIPTION** UNIT **QUANTITY REFERS** R R 6.1 17.01 Clearing and grubbing 5,5 ha

TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY

CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL:

SECTION:	7 1800 : DAYWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
	18.01	LABOUR				
7.1		Unskilled labour	Hr	1		Rate Only
7.2		Semi-skilled labour	Hr	1		Rate Only
7.3		Skilled labour	Hr	1		Rate Only
7.4		Ganger	Hr	1		Rate Only
7.5		Flagman	Hr	1		Rate Only
7.6		Foreman	Hr	1		Rate Only
	18.02	PLANT				
		Truck as follows				
7.7		5-10t	Hr	1		Rate Only
7.8		5.10-20t	Hr	1		Rate Only
7.9		Excavator D324 excavation of materials,stockpilling	Hr	1		Rate Only
7.10		Roller. Compaction & skimming	Hr	1		Rate Only
7.11		Watercart 10000lt sprinker water	Hr	1		Rate Only
7.12		Grader 140G Ripping shaping processing cruching	Hr	1		Rate Only
7.13		Plant for laying asphalt (All inclusive)	Hr	1		Rate Only
TOTAL FOR	SECTION 7	CARRIED FORWARD TO SUMMARY	-	-	•	R0,00

CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL: SECTION:

8 2200: PREFABRICATED CULVERTS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
8.1	22.01	Excavation				
		(a) Excavating soft material situated within the following depth ranges below the surface level:				
8.1.1		(i) 0 m up to 1.5 m	m³	600		
8.1.2		(i) 1.5 m up to 3 m	m³	50		
8.1.3		(i) 3 m up to 4.5 m	m³	50		
8.2	22.02	Backfilling:				
8.2.1		(a) Using the excavated material	m³	700		
8.3	22.03	Precast Concrete pipe culverts:				
		(b) On class C bedding				
8.3.1		(i) 600 mm dia. Type 100D	m	100		
		Inlets and Outlets				
8.3.2		Construction of both the inlet and outlet as per the attached drawings	No	24		
TOTAL FOR	SECTION 8	CARRIED FORWARD TO SUMMARY				

CONTRACT TITLE: Ntlenzi to Mcetheni Road

3.04 3.10	Cut and borrow to fill, including free-haul up to 0.5km (a) Material in compacted layer thickness of 200 mm and less: (i) Compacted to 90% of modified AASHTO density Cut to spoil, including free-haul up to 0,5 km. Material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO density	m³ m³ m³	90 900 900 9900	
	mm and less: (i) Compacted to 90% of modified AASHTO density Cut to spoil, including free-haul up to 0,5 km. Material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO	m³ m³ m³	90 900 90	
	density Cut to spoil, including free-haul up to 0,5 km. Material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO	m³ m³ m³	90 900 90	
	Material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO	m³ m³	900	
3.10	(b) Intermediate excavation(c) Hard excavationRoadbed preparation and the compaction of material:(b) Compaction to 93% of modified AASHTO	m³ m³	900	
3.10	(c) Hard excavation Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO	m³	90	
3.10	Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO			
3.10	material: (b) Compaction to 93% of modified AASHTO	m³	9900	
		m³	9900	
	1			

CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL: SECTION:

10 3400: PAVEMENT LAYERS OF GRAVEL MATERIAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
10.1	34.01	Pavement layers constructed from gravel obtained from approved borrowpit or commercially as described, including unlimited free-haul up to 1,0 km (h) Gravel Wearing Course minimum (G5) layer compacted to: (from commercial source)				
10.1.1		(ii) 95% of modified AASHTO density for a compacted layer thickness of 150mm.	m³	8500		
TOTAL FOR	SECTION 4	CARRIED FORWARD TO SUMMARY				

CONTRACT TITLE:

Ntlenzi to Mcetheni Road

BILL:

SECTION: 11 3800 : BREAKING UP EXISTING PAVEMENT LAYERS

SECTION:	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
11.1	38.01	Excavating and removing existing bituminous material (except milled material):				
11.1.1		Material to be disposed of with the average depth of excavation:				
11.1.1.1		Exceeding 30 mm but not exceeding 60 mm	m³	2800		
TOTAL FOR	R SECTION 1	1 CARRIED FORWARD TO SUMMARY				

CONTRACT:

CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL:

SECTION: 12 4200 : ASPHALT BASE AND SURFACING

11

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
12.1	42.01	Base-layer (150mm depth) compacted tp 98% of modified AASHTO density using NME equivalent	m ³	8500		
12.2		Contractor's handling cost item above.				
TOTAL FO	R SECTION 1	2 CARRIED FORWARD TO SUMMARY		ı		

12

CONTRACT:
CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL:

SECTION: 13 5100 : PITCHING, STONEWORK AND PROTECTION AGAINST EROSION

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
13.1	51.01	Stone pitching:				
		(a) Plain pitching:				
13.1.1		(i) Method 1	m²	50		Rate Only
TOTAL FO	R SECTION 1	3 CARRIED FORWARD TO SUMMARY				0,00
CONTRAC	13					

CONTRACT: **CONTRACT TITLE:** Ntlenzi to Mcetheni Road

BILL:

SECTION: 14 5200 : GABIONS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
14.1	52.02	Surface preparation for bedding the gabions				
14.1.1		Surface preparation for bedding the gabions	m²	1		Rate Only
14.2	52.03	Gabions:				
		(a) Supply and install galvanised gabion boxes including aggregate from commercial sources				
14.2.1		(i) 1,0m wide x 1,0m deep, with length between 1 and 4m, class A galvanised 80x100mm mesh, 2,7mm diameter wire and diaphragm spacing of 1,0m	m³	1		Rate Only
		(b) Galvanised gabion mattresses				
14.2.2		(ii) 0,3m thick, 3m long x 2m wide class A galvanised 80x80mm mesh, 2,7mm diameter wire and diaphragm spacing of 1,0m to drainage outlets	m³	1		Rate Only
14.3		Filter fabric, non-wooven continuous filament needle-punched polyester geotextile ["Bidim grade A5" or other and approved equal]	m²	1		Rate Only
OTAL FOR	R SECTION 14	4 CARRIED FORWARD TO SUMMARY				

CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL:

CONTRACT:

SECTION: 15 5600 : ROAD SIGNS

15.1 So 0.1 Road sign boards with painted or coloured semi- met background. Symbols, lettering and borders in semi-mat black or in Cales in Ferto-reflective material, where the sign board is constructed from: (c) Prepainted galvanised steel plate (1.2mm chromaduk or approved) (i) 900mm diameter Round or Stop signs: (ii) 900mm Triangular signs: 16.1.2 W326 No. 10 15.3 Road sign supports (overhead road sign structures excluded): Road sign supports including installing and all materials required (ii) 75mm diameter No. 14 15.4 S6.05 Excavation and backfilling for road sign supports m² 3	ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
(ii) 900mm Triangular signs: W326 No. 15.1.2 Food sign supports(overhead road sign structures excluded): Road sign supports: Including installing and all materials required (i) 75mm diameter No. 10 No. 10	15.1	56.01	matt background. Symbols, lettering and borders in semi-matt black or in Class 1 retro-reflective material, where the sign board is constructed from: (c) Prepainted galvanised steel plate (1.2mm				
15.1.2 W326 No. 10 15.2 56.03 Road sign supports(overhead road sign structures excluded): 15.3 Road sign supports: Including installing and all materials required 15.3.1 (i) 75mm diameter No. 14	15.1.1		(i) 900mm diameter Round or Stop signs:	No.	4		
15.2			(ii) 900mm Triangular signs:				
structures excluded): Road sign supports: Including installing and all materials required (i) 75mm diameter No. 14	15.1.2		W326	No.	10		
materials required (i) 75mm diameter No. 14	15.2	56.03					
	15.3						
15.4 56.05 Excavation and backfilling for road sign supports m³ 3	15.3.1		(i) 75mm diameter	No.	14		
	15.4	56.05	Excavation and backfilling for road sign supports	m³	3		

CONTRACT:

Ntlenzi to Mcetheni Road

CONTRACT TITLE:

BILL:

SECTION: 16 5700 : ROAD MARKINGS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
16.1	57.02	Retro-reflective road marking paint: Retro-reflective road marking paint:				
16.2		(a) White lines (broken or unbroken)				
16.2.1		(1) 100 mm wide	km	5		
16.2.2		(2) 150 mm wide	km	4		
16.2.3		(3) 300 mm wide STOP	km	0,4		
16.3		(b) Yellow lines (broken or unbroken)				
16.3.1		(1) 100 mm wide	km	1		
16.3.2		(d) White lettering and symbols	m²	5		
16.3.3		(e) Yellow lettering and symbols	m²	5		
16.3.4		(f) Transverse lines, painted island and arrestor bed markings (any colour)	m²	2		
16.4	57.04	Variations in rate of application:				
16.4.1		(a) White paint	l	50		
16.4.2		(b) Yellow paint	l	50		
16.4.3	B57.05	(a) Road studs (100mm x 100mm x 20mm plastic stick-on type with 43 bead glass reflectors - Bidirectional (any colour))	No.	3800		
16.4.4		(b) Install temporary roadstuds	No.	950		
16.4.5	B57.06	Setting out and premarking the lines (excluding traffic-island markings, lettering and symbols)	km	9,5		
16.4.6	57.07	Re-establishing the painting unit at the end of the maintainance period	L/Sum	1		
TOTAL FOI	R SECTION 1	CARRIED FORWARD TO SUMMARY				

16

CONTRACT: CONTRACT TITLE: BILL:

Ntlenzi to Mcetheni Road

SECTION:

17 5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
17.1	59.01	Finishing the road and road reserve:				
17.1.1		(b) Single-carriageway road	km	11,5		
		CARRIED FORWARD TO SUMMARY				

17

CONTRACT:

CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL:

SECTION: 18 8100 : TESTING MATERIALS AND WORKMANSHIP

	PAYMENT REFERS	18 8100 : TESTING MATERIALS AND WORKMAN DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
	1.02	Other special tests requested by the engineer				
18.1.1		(a) Cost of testing	Prov.Sum	1	50 000,00	50 000,00
18.1.2		(b) Charge on prime cost	%	50 000,00	10,00%	5 000,00
TOTAL FOR SECTION 18 CARRIED FORWARD TO SUMMARY						

CONTRACT:

CONTRACT TITLE: Ntlenzi to Mcetheni Road

BILL: