

SCHEDULE A: ROADWORKS					SECTION 1200
TARRING OF INTERNAL STREETS IN UNIT B					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.00	<u>1200: GENERAL REQUIREMENTS AND PROVISIONS</u>				
B12.01	Provision for a Community Liaison Officer				
	(a) Provisional Sum for the payment of the Community Liaison Officer (R4500.00 per month)	Prov Sum	1	27000	R 27 000,00
	(b) Handling costs and profit in respect of subitem B12.01(a)	%	27 000		
B12.02	Provision for cost of attending Steering Committee meetings				
	(a) Provisional Sum for Steering Committee members for attending Steering Committee meetings (R200 per person/meeting x 6 members x 6 months)	Prov Sum	1	7200	R 7 200,00
	(b) Handling costs and profit in respect of subitem B12.02(a)	%	7 200		
B12.03	Provision for Trainee Technician				
	(a) Provisional Sum for the payment of the Trainee Technician (R7500.00 per month)	Prov Sum	1	45000	R 45 000,00
	(b) Handling costs and profit in respect of subitem B12.03(a)	%	R 45 000,00		
B12.04	Relocation and/or protection of services				
	(a) Allow a provisional sum for existing services to be relocated/or protected as ordered by the engineer	Prov Sum	1	200000	R 200 000,00
	(b) Handling cost and profit in respect of sub-item B12.04(a)	%	R 200 000		
B12.05	Contract information board	No	1		
B12.06	Provision for Personal Protective Equipment (PPE)				
	(a) Provisional Sum for Labourers Personal Protective Equipment/Clothing	Prov Sum	1	30000	R 30 000,00
	(b) Handling cost and profit in respect of sub-item B12.04(a)	%	R 30 000		
B12.30	STRUCTURED TRAINING				
	Provision for accredited training				
	(a) Generic Skills	Prov Sum	1	R 80 000,00	80 000,00
	(b) Entrepreneurial Skills	Prov Sum	1	R 70 000,00	70 000,00
	(C) Handling cost and profit in respect of sub-item (a)and(b) above	%	R 150 000,00		
TOTAL SECTION 1200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1300

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13.00	<u>1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
B13.01	The Contractor's general obligations:				
	(a) Fixed obligations	Lump Sum	1		
	(b) Value-related obligations	Lump Sum	1		
	(c) Time-related obligations	month	6		
	The combined total tendered for sub-items (a), (b) and (c) shall not exceed 15% of the tender sum.				
TOTAL SECTION 1300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1400

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.00	<u>1400: HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u>				
14.01	Office and laboratory accommodation:				
	(a) Offices (Fully furnished)	m ²	36		
	(e) Ablution units	no	2		
14.02	Office furniture:				
	(a) Chairs	No	15		
	(d) Desks, complete with drawers and locks	No	1		
	(f) Conference tables (to set up to 15 persons)	No	1		
B14.03	Office and laboratory fittings, installations and equipment:				
	(c) Items measured by area:				
	(viii) Notice boards as per dwg. No.	m ²	3		
	(ix) White board	m ²	2		
14,04	Car ports				
	Car ports, 3.0m wide and 2,5m high, at offices	No.	1		
14.08	Services:				
	(a) Services at offices:				
	(i) Fixed costs	Lump Sum	1		
	(ii) Running costs	month	7		
14,10	Provision of photostat facilities	month	7		
TOTAL SECTION 1400 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1500

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.00	<u>1500: ACCOMMODATION OF TRAFFIC</u>				
15.01	Accommodation of traffic and maintaining temporary deviations	km	2,4		
15.02	Earthworks for temporary deviation				
	(a) Shaping of temporary deviations	km	2,4		
15.03	Temporary traffic-control facilities				
	(a) Flagmen	man-day	616		
	(b) Portable STOP and GO-RY sign	No.	4		
	(e) Road signs, R - and TR-serie, 1200mm in dia	No.	8		
	(f) Road signs, TW-series, 1500mm sides	No.	8		
	(g) Road signs, STW-, DTG-, TGS- AND TG-series excluding delineators and barricades	m ²	8		
	(h) Delineators (800mm x 200mm)				
	(i) Single	No.	15		
	(ii) Mounted back to back	No.	15		
	(m) Two way communication devices	No.			Rate Only
15.04	Relocation of traffic control facilities	L/Sum	1		
15,05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:				
	(a) Temporary deviations	m ³			Rate Only
15.06	Watering of temporary deviations	kl	500		
15.07	Blading by road grader of :				
	(a) Temporary deviations	km-pass	2		
	(b) Existing roads used as temporary deviations	km-pass	2		Rate Only
B15.15	Penalty to be deducted for non-compliance with requirements for traffic accommodation				
	(a) Fixed penalty per occurrence	No			Rate Only
	(b) Time related penalty	hr			Rate Only
TOTAL SECTION 1500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1700

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.00	<u>1700: CLEARING AND GRUBBING</u>				
17.01	(a) Clearing and grubbing				
	(i) Within the road reserve	ha	2,25		
	(ii) In borrow pits	ha	1		
17.02	Removal and grubbing of large trees and tree				
	(a) Girth exceeding 1 m up to and including 2 m	No	8		
	(b) Girth exceeding 2 m up to and including 3 m	No	3		
TOTAL SECTION 1700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1800

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18.00	<u>1800: DAYWORKS</u>				
B18.01	Labourers:				
	(i) Unskilled	hr			Rate Only
	(ii) Semi-skilled	hr			Rate Only
	(iii) Skilled	hr			Rate Only
B18.02	Foreman	hr			Rate Only
B18.03	Tipper trucks:				
	(i) 3 - 5 ton	hr			Rate Only
	(ii) 5,1 - 10 ton	hr			Rate Only
B18.04	Loader (0,5m³)	hr			Rate Only
B18.05	Grader (CAT 140G or similar)	hr			Rate Only
B18.06	LDV	hr			Rate Only
B18.07	Compaction Rollers:				
	(i) Vibrator roller	hr			Rate Only
	(ii) Tamping roller	hr			Rate Only
	(iii) Grid roller	hr			Rate Only
B18.08	Hand Controlled Compactors				
	(i) Pedestrian roller (Bomag BW90 or similar)	hr			Rate Only
	(ii) Vibratory plate	hr			Rate Only
	(iii) Rammers	hr			Rate Only
B18.09	Water truck (min 10 000 ℓ)	hr			Rate Only
B18.10	Dozer (D9 or similar)	hr			Rate Only
TOTAL SECTION 1800 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 2100

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
21.00	<u>2100: DRAINS</u>				
21,01	Excavation for open drains (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0 m up to 1,5 m	m ³			Rate Only
	(b) Extra over sub item 21.01 (a) for excavation in hard material, irrespective of depth	m ³			Rate Only
21,02	Clearing and shaping existing open drains	m ³			Rate Only
21,03	Excavation for subsoil drainage systems (a) Excavating soft material situated within the following depth ranges below surface level: (i) 0 m up to 1,5m	m ³			Rate Only
	(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m ³			Rate Only
21,04	Impermeable backfilling to subsoil drainage systems	m ³			Rate Only
21,06	Natural permeable material in subsoil drainage systems (crushed stone) (b) Crushed stone obtained from commercial sources (ii) Coarse grade stone	m ³			Rate Only
21,07	Natural permeable material in subsoil drainage systems (Sand) (b) Sand from commercial sources	m ³			Rate Only
21,08	(b) Unplasticised PVC pipes and fittings, normal duty complete with couplings (1) Perforated (i) 150mm dia.	m			Rate Only
21,10	Synthetic fibre filter fabric (i) "Kaymat U24 or approved equivalent	m ²			Rate Only
TOTAL SECTION 2100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 2200

TARRING OF INTERNAL STREETS IN UNIT B

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
22.00	<u>2200: PREFABRICATED CULVERTS</u>				
B22.01 LI	Excavation: (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0m up to 1,5m (ii) Exceeding 1,5m up to 3,0m (iii) Exceeding 3,0m up to 4.5m (b) Extra over subitem 22.01(a) for excavation in hard material irrespective of depth	m³ m³			Rate Only Rate Only
22.02 LI	Backfilling: (a) Using the excavated material (b) Using imported selected material (c) Extra over subitems 22.02(a) and 22.02(b) for soil cement backfilling (3% cement)	m³ m³			Rate Only Rate Only
22.03	Concrete pipe culverts: (b) On Class B bedding: (i) 600mm dia. (Class 50D)	 m			 Rate Only
22.05	Portal and Rectangular Culverts: (i) 1200 x 900	 m			 Rate Only
22.07 LI	Cast in situ concrete and formwork: (b) In floor slabs for portal or rectangular culverts including formwork, joints and Class U2 finish for (i) Class 25/19 concrete (c) In inlet & outlet structures, skewed ends, catchpits manholes, thrust and anchor blocks, excluding formwork but including Class U2 surface finish (i) Class 25/19 concrete (d) Formwork of concrete under subitem 22.07(c) (i) Vertical formwork for F1 surface finish (ii) Vertical formwork for F2 surface finish	 m³ m³ m² m²			 Rate Only Rate Only Rate Only
TOTAL CARRIED FORWARD					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	AMOUNT BROUGHT FORWARD				
22.1	Steel reinforcement:				
	(a) High tensile steel:	t			Rate Only
	(c) High tensile steel mesh:				
	(i) Ref. 245	kg			Rate Only
	(iii) Ref. 395	kg			Rate Only
22.12	Removing existing concrete:				
LI	(a) Plain concrete	m ³			Rate Only
	(b) Reinforced concrete	m ³			Rate Only
TOTAL SECTION 22 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS
TARRING OF INTERNAL STREETS IN UNIT B

SECTION 2300

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23.00	<u>2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</u>				
B23.01 LI	Concrete kerbing (Class 25/19 concrete):				
	(a) Figure 8b as shown on the drawings. SABS approved	m	1600		
	(b) Figure 8c as shown on the drawings. SABS approved	m			Rate Only
	(i) In situ concrete kerbing (25/19) MPa with contraction joint @ 2 meters and expansion joint (softboard) every 10 meters, alternative to 23.01 (a)	m			Rate Only
23.06 LI	Inlet, outlet, transition and similar structures: (including in-situ concrete chutes)				
	(a) Cast in situ concrete lining for Chute inlets Type "E": (Class 20/19 concrete):	m ³			Rate Only
	(b) Formwork (Class F1 surface finish) for Type "E" chutes & inlets :				
	(i) To side with formwork on both internal and external faces (each face measured)	m ²			Rate Only
	(c) Class U2 surface finish to cast in situ concrete:	m ²			Rate Only
23.07	Trimming of excavation for concrete-lined open drains:				
	(a) In soft material	m ²	72		
	(b) In hard material	m ²	13		
23.08	Concrete lining for open drains				
	(a) Cast in situ concrete lining (25/19)				
	(i) 1200 mm x 1200 mm x 125 mm	m ³	10		
	(b) Class U2 surface finish to cast in situ concrete	m ²	78		
23.09	Formwork tom cast in situ concrete lining for open drains (class F2 surface finish)				
	(c) To ends of slabs	m ²	60		
TOTAL CARRIED FORWARD TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3100

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	<u>3100: BORROW MATERIALS</u>				
B31.01	Excess overburden:				
	(a) Depth up to and including 0,5m	m ³	250		
	(b) Depth exceeding 0,5m and up to 1,0m	m ³	60		
31.03	Finishing-off borrow areas in:				
	(a) Hard material	ha	1,00		
	(c) Soft material	ha	1,00		
TOTAL SECTION 3100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3300

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	<u>3300: MASS EARTHWORKS</u>				
33.01	Cut and borrow to fill, including 1.0 km free haul (a) Gravel material in compacted layer thicknesses of 200 mm and less: (ii) Compacted to 93% of modified AASHTO density	m ³	7500		
33.03	Extra over item 33.01 for excavating and breaking down material in - (a) Intermediate excavation (b) Hard excavation	m ³ m ³	750 750		
33.04	Cut and spoil, including free-haul up to 1.0km, material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation (d) Boulder Excavation class B	m ³ m ³ m ³ m ³	2100 105 105		Rate Only
33.10	Roadbed preparation and the compaction of material (a) Compaction to 93% of modified AASHTO density	m ³	1575		
33.11	Three roller passes (a) Vibratory roller (b) Heavy grid roller	m ² m ²			Rate Only Rate Only
33.13	Finishing-off cut and fill slopes, median and (a) Cut slopes (b) Fill slopes	m ² m ²	1500 1500		
33/16.00	<u>1600: OVERHAUL</u>				
33/16.02	Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)	m ³ .km	18480		
TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS

SECTION 3300

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	AMOUNT BROUGHT FORWARD				
33/32.00	<u>3200: SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW-PITS, CUTTING AND EXISTING PAVEMENT LAYERS AND PALCING. ETC.</u>				
33/32.06	Stockpiling of material (Cut material for later use in laverworks)	m ³	1575		
TOTAL SECTION 3300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS					SECTION 3400
TARRING OF INTERNAL STREETS IN UNIT B					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	<u>3400: PAVEMENT LAYERS OF GRAVEL MATERIAL</u>				
34.01	Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 1,0 (c) Gravel subbase (Unstabilized material): (i) 150mm layer thickness to 95% modified using G5 Material 2,5<GM>1,5and PI < 10) (f) Gravel base (Chemically Stabilized material): (ii) 150mm layer thickness to 97% modified using C3 material with minimum UCS 1.0MPa; ITS 250kPa and PI < 6) (g) Gravel shoulder compacted to: (ii) 95% of modified AASHTO density ((150mm compacted layer thickness)	m ³	1575		
		m ³	1575		
		m ³	550		
34/16.02	Overhaul on material hauled in excess of 1.0 km(ordinary overhaul)	m ³ .km	29600		
TOTAL SECTION 3400 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3500

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3500	<u>3500: STABILIZATION</u>				
35.01	Chemical stabilisation extra-over unstabilized compacted layers:				
	(a) Subbase layer : 150mm thickness	m ³			Rate Only
	(b) Base layer : 150mm thickness	m ³			
B35.02	Chemical stabilising agent:				
	(a) CEM II A/L 32.5 cement	t			
35.04	Provision and application of water for curing	kl			
35.05	Curing by covering with subsequent layer	m ²			Rate Only
TOTAL SECTION 3500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 4200

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200	<u>4200: ASPHALT BASE AND SURFACING</u>				
42.02	Asphalt surfacing				
	(a) Continuously graded hot-mix asphalt using:				
	(i) 60/70 pen, 30 mm thick medium grade	m ²	9 500		
42.04	Tack coat of 30% stable-grade emulsion (0,55 l/m ²)	ℓ	5 225		
B42.08	100mm cores in asphalt paving	No	14		
B42.09	Speed humps as per the drawing	No	6		
TOTAL SECTION 4200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 4100

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4100	<u>4100: PRIME COAT</u>				
41.01	Prime coat: (c) Quick drying MSP tar prime @ 0.7ℓ/m² litre	ℓ	6650		
TOTAL SECTION 4100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5600

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
56.00	<u>5600: ROAD SIGNS</u>				
B56.01	<p>Road sign boards with painted or coloured semi-matt background. Symbols, lettering, and borders in diamond grade retro-reflective material, where the sign board is constructed from:</p> <p>(c) Prepainted galvanised steel plate (chromadek or approved equivalent):</p> <p>(i) Area not exceeding 2m²</p> <p>(ii) Area exceeding 2m² but not 10m²</p> <p>(e) Aluminium sheet regulatory warning and information signs</p> <p>(i) Area not exceeding 2m²</p>	<p>m²</p> <p>m²</p> <p>m²</p>	<p>25</p> <p>25</p> <p>25</p>		
56.02	<p>Extra over item 56.01 for using:</p> <p>(a) Background of retro-reflective material:</p> <p>(iii) Class III</p> <p>(b) Lettering, symbols, numbers, arrows, emblems and borders of retro- reflective material:</p> <p>(ii) Class III</p>	<p>m²</p> <p>m²</p>	<p>25</p> <p>25</p>		
56.03	<p>Road sign supports (overhead road sign structures excluded):</p> <p>(a) Galvanized Steel tubing</p>	t	1		
56.05	Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m ³	8		
56.06	Extra over item 56.05 for cement-treated soil backfill	m ³	5		
56.07	Extra over item 56.05 for rock excavation	m ³	5		
B56.10	<p>Danger Plates</p> <p>(a) Type W401/W402 back-to-back at Humps (1200mm height)</p>	No	15		
TOTAL SECTION 5600 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5100

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
51.00	<u>5100: PITCHING, STONEMWORK, ETC.</u>				
51.01	Stone pitching:				
	(b) Grouted stone pitching	m ²	65		
51.04	Concrete edge beams:				
	(a) Class 25/19 cast in-situ concrete	m ³	60		
TOTAL SECTION 4200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5700

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
57.00	<u>5700: ROAD MARKINGS</u>				
57.02	Retro-reflective road-marking paint:				
	(a) White lines (broken or unbroken)				
	(i) 100 mm wide	km	1,5		
	(ii) 300 mm wide	km	0,40		
	(b) Yellow lines (broken or unbroken)				
	(ii) 100 mm wide	km			Rate Only
	(d) White lettering and symbols	m ²	155		
	(e) Yellow lettering and symbols	m ²			Rate Only
57.04	Variations in rate of application:				
	(a) White paint	ℓ			Rate Only
	(b) Yellow paint	ℓ			Rate Only
B57.06	Setting out and pre-marking the lines (excluding traffic island markings, lettering and symbols)	km	1,5		
TOTAL SECTION 5700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5900

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
59.00	<u>5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</u>				
59.01	Finishing the road and road reserve:				
	(b) Single carriageway road	km	1,5		
TOTAL SECTION 5900 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 8100

TARRING OF INTERNAL STREETS IN UNIT B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
81.00	<u>8100: TESTING MATERIALS AND WORKMANSHIP</u>				
B81.02	Other special tests requested by the engineer				
	(a) Other special tests requested by the engineer	Prov Sum	-		R 50 000,00
	(b) Handling cost and profit in respect of sub-item B81.02(a)	%	50 000		
TOTAL SECTION 8100 CARRIED TO SUMMARY					

SCHEDULE B: OHS ACT OBLIGATIONS
TARRING OF INTERNAL STREETS IN UNIT B

SCHEDULE B

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SCHEDULE B: OCCUPATIONAL HEALTH AND SAFETY ACT OBLIGATIONS</u>				
B1.1	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Lump Sum	1		
B1.2	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations including COVID-19	Month	6		
B1.3	Submission of the Health and Safety File	Lump Sum	1		
B1.4	Medical Assessment of employees	Lump Sum	1		
TOTAL SCHEDULE B CARRIED TO SUMMARY					

SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN
TARRING OF INTERNAL STREETS IN UNIT B

SCHEDULE C

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN</u>				
C100.01	Penalty for unnecessary removal or damage to trees for the following diameter sizes				
	(a) 2600mm girth or less	No.			Rate Only
	(b) Greater than 2600mm, but less than 6180mm girth	No.			Rate Only
	(c) Greater than 6180mm girth	No.			Rate Only
C100.02	Penalty for serious violations				
	(a) Hazardous chemical/oil spill and/or dumping in non-approved sites	No.			Rate Only
	(b) General damage to sensitive environments	No.			Rate Only
	(c) Damage to cultural and historical sites	No.			Rate Only
	(d) Pollution of water sources	No.			Rate Only
	(d) Unauthorised blasting activities	No.			Rate Only
	(f) Uncontrolled/unmanaged erosion per incident, depending on environment impacts, plus rehabilitation at contractor's cost)	No.			Rate Only
C100.03	Penalty for less serious violations				
	(a) Littering on site	No.			Rate Only
	(b) Lighting of illegal fires on site	No.			Rate Only
	(c) Persistent or un-repaired fuel and oil leaks	No.			Rate Only
	(d) Excess dust or excess noise emanating from site	No.			Rate Only
	(e) Dumping of milled material in side drains or on grassed areas	No.			Rate Only
	(f) Possession or use of intoxicating substances on site	No.			Rate Only
	(g) Any vehicles being driven in excess of designated speed limits	No.			Rate Only
	(h) Removal and/or damage to flora or cultural or heritage objects on site, and/or killing of wildlife	No.			Rate Only
	(i) Illegal hunting	No.			Rate Only
TOTAL SCHEDULE C CARRIED TO SUMMARY					

**SCHEDULE D: PROVISION OF STRUCTURED TRAINING
TARRING OF INTERNAL STREETS IN UNIT B**

SCHEDULE D

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
D2.1	<u>SCHEDULE D: STRUCTURED TRAINING</u>				
	Provision for accredited training				
	(a) Generic Skills Training	Prov Sum	1	R 60 000,00	R 60 000,00
	(b) Handling cost and profit in respect of sub-item D2.1(a)	%	60 000		
	(d) Training venue (Only if required)	Prov Sum	1	R 5 000,00	R 5 000,00
TOTAL SCHEDULE D CARRIED TO SUMMARY					



TARRING OF INTERNAL STREETS IN UNIT B

C2.3 SUMMARY OF SCHEDULE OF QUANTITIES

SCHEDULE A: ROADWORKS

SECTION	DESCRIPTION	AMOUNT
1200	General Requirements and Provisions	
1300	Establishment and General Obligations	
1400	Housing, Offices & Laboratories	
1500	Accommodation of Traffic	
1700	Clearing and Grubbing	
1800	Dayworks	
2100	Drains	
2200	Fabricated Culverts	
2300	Concrete Kerbing, Concrete Channeling, Open Chutes	
3100	Borrow Material	
3300	Mass Earthworks	
3400	Pavement Layers of Gravel Material	
3500	Stabilization	
4100	Prime Coat	
4200	Asphalt Base and Surfacing	
5100	Pitching, Stonework and Protection Against Erosion	
5600	Road Signs	
5700	Road Markings	
5900	Finishing the Road and Road Reserve and treating old roads	
8100	Testing Materials and Workmanship	
TOTAL SCHEDULE A: (CARRIED TO CALCULATION OF TENDER SUM)		



TARRING OF INTERNAL STREETS IN UNIT B

C2.3 SUMMARY OF SCHEDULE OF QUANTITIES (CONTINUE)

SCHEDULE B: OHS ACT OBLIGATIONS

SECTION	DESCRIPTION	AMOUNT
B	OHS Act Obligations	
TOTAL SCHEDULE C: (CARRIED TO CALCULATION OF TENDER SUM)		

SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN

SECTION	DESCRIPTION	AMOUNT
C	Environmental Management Plan	
TOTAL SCHEDULE D: (CARRIED TO CALCULATION OF TENDER SUM)		

SCHEDULE D: STRUCTURED TRAINING

SECTION	DESCRIPTION	AMOUNT
D	Structured Training	
TOTAL SCHEDULE E: (CARRIED TO CALCULATION OF TENDER SUM)		



TARRING OF INTERNAL STREETS IN UNIT B

CALCULATION OF TENDER SUM

ITEM	AMOUNT
TOTAL SCHEDULE A: ROADWORKS	
TOTAL SCHEDULE B: OHS ACT OBLIGATIONS	
TOTAL SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN	
TOTAL SCHEDULE D: STRUCTURED TRAINING	
TENDER (CONTRACT) SUM	
CONTINGENCIES (5%)	
ADD 3% FOR CPA (This amount is under the sole control of the employer)	
SUB-TOTAL	
ADD 15% VAT	
TENDER (CONTRACT) PRICE CARRIED TO FORM OF OFFER OF ACCEPTANCE (Page D.3)	

Note: Tender Sum is the value of the offered total of the prices exclusive of VAT, Contingencies, CPA and specials materials but including contractual variations.

SIGNED ON BEHALF OF TENDERER:

DATE: