

SCHEDULE A: ROADWORKS				SECTION 1200	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	Relocation, protection or replacement of existing services				
	(a) Existing services to be relocated, protected or replaced as ordered by the engineer:				
	(iii) Municipal services	Prov. Sum	1	40000.00	R 40 000.00
	(iv) Private property services	Prov. Sum	1	10000.00	R 10 000.00
	(b) Handling cost and profit in respect of B12.01(a)	%	R 50 000.00		
B12.02	Excavation for services:				
	a) Excavating material within the following depth ranges below ground level for the exposing of/or searching for services				
	i) 0m to 2m				
	(1) Soft Material	m ³	15		
	(2) Hard Material	m ³	5		
	(b) Extra over item B12.02(a) for excavation by means of hand tools such as picks, crowbars and pneumatic tools or mechanical breakers in close vicinity of services where no blasting or machine excavation is permitted:				
	(i) Soft Material	m ³	15		
	(ii) Hard Material	m ³	5		
B12.03	Excavation of test pits and sampling thereof along the road as instructed by the engineer				
	(a) Handling cost and profit in respect of subitem B12.03	Prov. Sum	1	25000.00	R 25 000.00
	(b) Handling cost and profit in respect of subitem B12.03(a)	%	25 000		
B12.04	Provision for a Community Liaison Officer				
	(a) Remuneration of CLO	Prov. Sum	1	30000.00	R 30 000.00
	(b) Handling cost and profit in respect of subitem B12.04(a)	%	30 000		
TOTAL SECTION 1200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 1300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
B13.01	GENERAL(Smallworks) & ENGINEER'S OFFICE				
	(a) Fixed obligations	Lump Sum	1		
	(b) Value-related obligations	Lump Sum	1		
	(c) Time-related obligations	Month	10		
	NB: The combined total tendered for subitems (a), (b) and (c) shall not exceed 15% of the Tender Sum				
B13.02	Supply, transport to site and erect contract signboards.	No.	1		
TOTAL SECTION 1300 CARRIED TO SUMMARY					R 0.00

SCHEDULE A: ROADWORKS				SECTION 1400	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL				
14.01	Office and laboratory				
	(a) Offices (interior floor space only)	m ²	40		
	(e) Ablution units	No	2		
14.02	Office and laboratory furniture				
	(a) Chairs	No	10		
	(d) Desks, complete with drawers and locks	No	5		
B14.03	Office and laboratory fittings, installations and equipment				
	(a) Items measured by number				
	(i) 220/250 volt power points	No	4		
	(iii) Double 80 watt fluorescent light fittings complete with ballast and tubes	No	2		
	(vi) Wash-hand basins complete with taps and drains	No	2		
	(x) Fire extinguishers, 9,0 kg, all purpose dry powder type, complete, mounted on wall with brackets	No	1		
	(xix) Rain gauge	No	1		
	(xx) Refrigerator	No	1		
	(xxi) Floodlights complete with poles and 500Watt minimum globes	No	3		
B14.03	(b) Prime-cost items and items paid for in a lump sum:				
	(ix) Cell phones costs, including pro-rata rentals, for calls in connection with contract administration	PC Sum	1	R 15 000.00	R 15 000.00
	(x) Handling cost and profit in respect of sub-item B14.03(b)(ix) above	%	15000.00		
	(xi) Laptop to the engineer	Prov. Sum	1	R 15 000.00	R 15 000.00
	(xii) Handling cost and profit in respect of sub-item B14.03(b)(xi) above	%	15000.00		
	(xiii) Internet connection (ADSL or mobile LTE) for email connectivity	PC Sum	1	R 7 500.00	R 7 500.00
	(xiv) Handling cost and profit in respect of sub-item B14.03(b)(xiii) above	%	7500.00		
TOTAL SECTION 1400 CARRIED FORWARD TO NEXT PAGE					

SCHEDULE A: ROADWORKS				SECTION 1400	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL SECTION 1400 BROUGHT FORWARD FROM PREVIOUS PAGE					
	(x) RE travelling cost for supervision	PC Sum	1	R 50 000.00	R 50 000.00
	(xiv) Handling cost and profit in respect of sub-item B14.03(b)(x) above	%	50000.00		
14.04	Car ports				
	(a) Car ports, as specified, at offices and laboratory buildings	No	3		
14.07	Rented, hotel and other accommodation (for RE)				
	(a) Provisional sum for providing rented housing, hotel or other accommodation	Prov. Sum	1	60 000.00	R 60 000.00
	(b) Handling costs and profit in respect of subitem 14.07(a)	%	60000.00		
B14.10	Provision of photostat facilities	Month	10		
TOTAL SECTION 1400 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 1500	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1500	ACCOMMODATION OF TRAFFIC				
B15.01	Accommodation of traffic and maintaining temporary deviations				
	(a) Capricorn Park (Phase 1A)	km	2.00		
B15.03	Temporary traffic-control facilities				
	(a) Flagmen	man-day	200		
	(b) Portable STOP and GO-RY signs	No	16		
	(e) Road signs, R-and TR-series	No	10		
	(f) Road signs, TW-series (1 500)	No	8		
	(g) Road signs, STW-, DTG-, TGS- and TG-series (excluding delineators and barricades)	m ²	12.5		
	(h) Delineators				
	(i) Single (800x200)	No	50		
	(ii) Mounted back to back	No	75		
	(i) Moveable barricade/road sign combination	No	8		
	(n) Road signs, TW-series, 1500 mm Triangular sides including TIN, 1500 x 400	No	4		
	(n) Amper rotatng flashing light width magnet base as specified for engineer's use	No	2		
	(p) Road signs, TW-series, 1 200 x 1 600 including TIN, 1 200 x 400	No			Rate Only
B15.14	Penalty to be deducted for non-compliance with requirements for accommodation of traffic				
	(a) Fixed penalty per occurrence	No		-5000.00	
	(b) Time-related penalty	hour		-500.00	
B15.15	Provision of traffic safety equipment for visitors				
	(a) Safety jackets	No	5		
TOTAL SECTION 1500 CARRIED FORWARD TO NEXT PAGE					

SCHEDULE A: ROADWORKS				SECTION 1500	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL SECTION 1500 BROUGHT FORWARD FROM PREVIOUS PAGE					
B15.17	Non-specified signage ordered by the Engineer and Site Safety officer: (a) Provisional sum for non-specified signage or arrangements asordered by the Engineer (b) Handling cost and profit in respect of Item B15.17(a)	Prov. Sum	1	25000.00	R 25 000.00
		%	25 000		
TOTAL SECTION 1500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 1700	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
B17.01	Clearing and grubbing of:				
	(a) Using normal construction machinery	ha	0.5		
	(b) Using hand methods	ha	0.5		
17.02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1m up to and including 2m	No.	4		
	(b) Girth exceeding 2m up to and including 3m	No.	4		
17.04	Clearing and grubbing at inlets and outlets of hydraulic structures				
		m ²	10		
B17.07	Trimming of existing trees				
	(a) Chainsaw	hr	20		
	(b) By hand	hr	30		
TOTAL SECTION 1700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 1800	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1800	DAYWORKS				
B18.01	Labourers:				
	(i) Unskilled	hr	10		
	(ii) Semi-skilled	hr	10		
	(iii) Skilled	hr	10		
B18.02	Foreman	hr	15		
B18.03	Tipper trucks:				
	(i) 3 - 5 ton	hr	9		
	(ii) 5,1 - 10 ton	hr	9		
B18.04	Loader (0,5m³) (55kW) - TLB	hr	10		
B18.05	Grader (CAT 140G or similar)	hr	7		
B18.06	LDV	hr	9		
B18.07	Compaction Rollers:				
	(b) Rubber tyred loader (60kW)	hr	3		
	(e) Pedestrian vibrating roller (1,4 ton)	hr	6		
	(f) Self propelled vibrating roller (80kW)	hr	5		
	(g) Pneumatic tyred roller (60kW, 20 ton)	hr	5		
	(j) 250 cmf compressor (7m ³ /min) complete with 2 tools and operator	hr	4		
	(k) 600 cmf compressor (7m ³ /min) complete with 2 tools and operator	hr	4		
	(l) Excavator (92kW)	hr	3		
	(m) Dozer (123kW)	hr	2		
B18.08	Hand Controlled Compactors				
	(i) Pedestrian roller (Bomag BW90 or similar)	hr	5		
	(ii) Vibratory plate	hr	5		
	(iii) Rammers	hr	5		
B18.09	Water truck (min 10 000 l)	hr	6		
	WET RATE MINIMUM HOURS 6hrs				
TOTAL SECTION 1800 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 2100	
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION 2100: DRAINS				
B21.01	Excavation for open drains:				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
LI	(i) 0 m up to 1,5 m	m ³	150		
	(b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth	m ³	10		
TOTAL SECTION 2100 CARRIED TO SUMMARY					R 0.00

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
	EXCAVATION				
B22.01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the surface level				
	(i) 0m up to 1,5m	m ³	350		
	(ii) Exceeding 1,5m and up to 3,0m	m ³	2800		
	(b) Extra over subitem 22.01(a) for excavation in hard material irrespective of depth	m ³	180		
	BACKFILLING				
B22.02	Backfilling				
	(a) Using the excavated material	m ³	2800		
	(b) Using imported selected material	m ³	1050		
	(c) Extra over subitems 22.02(a)&(b) for soil cement backfilling				
	(ii) 8% OPC	m ³	35		
	PIPE CULVERTS				
22.03	Concrete pipe culverts				
	(b) On class B bedding				
	(i) Ogee class 50 D				
	(1) 600mm dia Class 50D	m	450		
	(2) 750mm dia Class 50D	m	30		
	(3) 900mm dia Class 50D	m	0		
	(4) 1050mm dia Class 50D	m	0		
	(ii) Ogee class 100 D				
	(1) 600mm dia Class 100D	m	150		
	(2) 750mm dia Class 100D	m	25		
	(3) 900mm dia Class 100D	m	0		
	(4) 1050mm dia Class100D	m	0		
SECTION 2200 TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
	CONCRETE AND FORMWORK				
22.07	Cast in situ concrete and formwork				
	(a) In class A bedding, screeds, and the encasing for pipes, including formwork				
	(i) Class 15/19	m ³	10		
	(ii) Class 20/19	m ³	10		
	(iii) Class 25/19	m ³			Rate Only
	(b) In floor slabs for portal or rectangular culverts, including formwork and class U2 surface finish				
	(i) Class 25/19	m ³	10		
	(ii) Class 30/19	m ³	10		
	(c) In Inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks excluding formwork but including class U2 surface finish				
	(i) Class 25/19	m ³	10		
	(ii) Class 30/19	m ³	10		
	(d) Formwork of concrete under subitem 22.07(c) above				
	(i) Class F2				
	(i) Horizontal	m ²	10		
	(ii) Vertical	m ²	10		
	(ii) Class F1				
	(i) Horizontal	m ²	10		
	(ii) Vertical	m ²	10		
	CONCRETE BACKFILL				
22.08	Concrete backfill for culverts				
	(i) Class 20/19	m ³	10		
SECTION 2200 TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
	MANHOLES, CATCHPITS, Etc.				
22.17	Manholes, catchpits, precast inlet and outlet structures complete				
	(a) Manholes as per Typical Drawing. Including brickwork, benching, concrete floor, cover slab, manhole cover and frame etc.				
	(i) Type A, up to 2.5m deep	no	20		
	(ii) Type A, up to 5.0m deep	no	1		Rate Only
	(b) Catchpits (kerbmaster or similar)				
	(ii) 3,35m long for outgoing pipe up to 750mm dia	no	22		
	BRICKWORK				
22.18	Brickwork				
	(a) 115mm Thick	m ²	15		
	(b) 230mm Thick	m ²	20		
	(c) 345mm Thick	m ²	10		
	PLASTER AND BENCHING				
22.19	Plaster	m ²	30		
22.20	Benching (20mm average thick)	m ²	3.0		
SECTION 2200 TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
	ACCESSORIES				
22.21	Accessories (c) Step irons as suppliers specifications (bolted into manhole wall, including all bolts etc.)	no	200		
22.23	Service ducts (a) Ordinary pipes (i) uPVC pipes (ii) 160mm Diameter	m	25		
	OVERHAUL				
22.25	Overhaul on excavated material carted to spoil, backfill existing structures demolished and removed to spoil, and removing and relaying, and removing and stacking existing prefabricated culverts, for haul in excess of the free haul distance	m ³ -km	500		
TOTAL SECTION 2200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 2300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2300	CONCRETE KERBING, CONCRETE CHANNELING, CHUTES & DOWNPIPES & CONCRETE LININGS FOR OPEN DRAINS				
	PRECAST CONCRETE KERBS				
23.01	Class 30/19 precast concrete kerbing				
	(a) Straight sections (i) Figure 8b	m	4580		
	(b) Circular sections (i) Figure 8b	m	300		
23.14	Cutting bituminous surfacing and pavement layers for concrete kerbing, channelling or concrete lined drains	m	100		
	EDGE BEAMS				
B23.17	Concrete edge beams (200mm x 150mm) Class 30/19 concrete				
	(a) Straight sections	m	240		
TOTAL SECTION 2300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 3100	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3100	BORROW MATERIALS				
31.01	Excess overburden	m ³	350		
	FINISHING OFF				
31.03	Finishing off borrow areas in				
	(a) Hard material	ha	0.5		
	(c) Soft material	ha	0.5		
B31.04	Construction and maintenance of haul roads for materials from borrow pits and quarries	km	1.5		
B31.05	Exploration of borrow pits				
	(a) Sampling of borrow materials by an approved materials laboratory	PC Sum	1	25000	R 25 000.00
	(b) Handling cost and profit in respect of sub-item B31.05(a) above	%	25000		
B31.06	Royalties for the use of borrow pit				
	(a) Royalty as agreed with Employer	Prov Sum	1	50000	R 50 000.00
	(b) Handling cost and profit in respect of sub-item B31.06(a) above	%	50000		
TOTAL SECTION 3100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 3300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3300	MASS EARTHWORKS				
	CUT AND BORROW TO FILL				
B33.01	Cut and borrow to fill, including free-haul up to 5km				
	(a) Material in compacted layer thickness of 200mm and less				
	(i) Compacted to 93% mod.AASHTO density	m ³	350		
	(ii) Eight roller passes compaction				
	(1) At gravel access bellmouths	m ³	150		
33.03	Extra over item B33.01 for excavating and breaking down material in				
	(a) Intermediate excavation	m ³	30		
	(b) Hard excavation	m ³	30		
	CUT TO SPOIL				
B33.04	Cut to spoil including freehaul up to 5km with material obtained from				
	(a) Soft excavation	m ³	600		
	(b) Intermediate excavation	m ³	150		
	(c) Hard excavation	m ³	60		
	(d) Boulder excavation class A	m ³	25		
	(e) Boulder excavation class B	m ³	10		
	UNSUITABLE MATERIAL				
B33.07	Removal of unsuitable material (including free-haul of 5km)				
	(a) In layer thicknesses of 200mm and less				
	(i) Stable material	m ³	15		
	(ii) Unstable material	m ³	15		
	(b) In layer thicknesses exceeding 200mm				
	(i) Stable material	m ³	15		
	(ii) Unstable material	m ³	15		
TOTAL SECTION 3300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 3400	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
B34.01	Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 5,0 km: (f) Gravel base (chemically stabilised material) compacted to: (i) 97% of modified AASHTO desity (Imported G6 material from borrowpit, 125mm thick)	m ³	1 930		
34.02	Extra over item B34.01 for excavation of material in (a) Intermediate excavation	m ³	120		
B34.04	In situ reconstruction of existing pavement layers (d) Gravel subbase (unstabilised gravel) compacted to 97% of Modified AASHTO density, using: (ii) Non-cemented material (In-situ material, 200mm thick)	m ³	2 610		
34.06	Extra over item B34.04 for adding extra material as specified in subsubclause 3207(b)(iii) (b) Gravel subbase (G6 make-up from borrow pit)	m ³	450		
34/B16.02	Overhaul on material hauled in excess of 5,0 km (ordinary overhaul)	m ³ -km	450		
34/32.04	Removal of oversize pavement material	m ³	20		
34/32.05	Additional normal grid rolling	m ³	500		
34/35.03	Mechanical modification (extra over untreated layer) (b) By mixing materials from different sources (in Sub-base)	m ³	1250		
TOTAL SECTION 3400 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 3500	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3500	STABILIZATION				
B35.01	Chemical stabilisation extra-over unstabilized compacted layers:				
	(a) Base (C4 nominal cement 3%, 125mm thick)(Extra over B34.01(f))	m ³	1 930		
B35.02	Chemical stabilising agent:				
	(a) CEMII (B-L) 32,5N	t	125		
35.13	Extra over B35.01 for trial section	m ³	200		
35/33.11	Three roller compaction (before mixing of cement by recycler)				
	(a) Vibratory roller (smooth drum)				
	(i) Base (B35.01)	m ²	7 500		
TOTAL SECTION 3500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5100	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5100	PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION				
51.01	Stone pitching c) Grouted stone pitching on a concrete bed (concrete class 20/19 and total thickness of 100mm)	m ²	50		
	SEGMENTED PAVING				
51.04	Concrete pitching and block paving (d) Prefabricated concrete paving blocks (including sand bedding 25mm thick) for: (i) Roadway surfacing (Capricorn Park Internal streets) (1) Z-interlocking paver 60mm thickness (200x100) Grey	m ²	12100		
	MISCELLANEOUS				
51.08	Speed hump with paving blocks (complete with roadmarking and road signs according to Typical Drawing)	No	8		
TOTAL SECTION 5100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5500	
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5500	FENCING				
55.01	Clearing the fence line, 2m wide strip	km	2.0		
B55.02	Supply and erect new fencing material for new fences and for supplementing material in existing fences which are being repaired or removed				
	(j) Stock-proof fence (Standard 6 (six) strand, 1,2m high.	km	2.0		
55.04	Moving of existing fences and gates				
	a) Fences:				
	i) Stock-proof fences	km	1.0		
	b) Gates	No.	5		
55.05	Dismantling of existing fences				
	i) Stock-proof fences	km	1.0		
	b) Gates	No.	5		
TOTAL SECTION 5500 CARRIED FORWARD TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5600	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5600	ROAD SIGNS				
56.06	Extra over item 56.05 for cement-treated soil backfill				
	(a) With 5% OPC	m ³	15		
56.07	Extra over item 56.05 for rock excavation	m ³	1		
	TRAFFIC SIGNS ERECTED COMPLETE				
B56.10	Statutory signs, street names, etc. supplied and erected complete				
	(a) Provision and erection of regulatory traffic signs for 60km/h design standard, complete				
	(i) Stop sign (R1)	No	10		
	(ii) R201 (Speed limit 40km/h)	No	6		
	(b) Provision and erection of warning traffic signs for 60km/h design standard, complete				
	(i) W104 (T-junction)	No	4		
	(ii) W107 or W108 (Side road junction)	No	4		
	(iii) W307 (pedestrians)	No	4		
	(iv) W202 (Gentle curve right)	No	4		
	(v) W203 (Gentle curve left)	No	4		
	(c) Provision and erection of information traffic signs for 60km/h design standard, complete				
	(i) W401 or W402 (Danger Plates 150mm x 600mm)	No	25		
	(ii) W405 or W406 (Sharp curve chevron 450mm x 450mm)	No	4		
	(iii) W409 (T-Junction Chevron)	No	12		
TOTAL SECTION 5600 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5700	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5700	ROAD MARKINGS				
57.02	Retro-reflective road-marking paint:				
	(a) White lines (broken or unbroken)				
	(i) 100 mm wide	km	2.00		
	(ii) 300 mm wide	km	0.5		
	(iii) 500 mm wide	km	0.3		
	(b) Yellow lines (broken or unbroken)				
	(i) 100 mm wide	km	0.5		
	(d) White lettering and symbols	m ²	75		
57.06	Setting out and pre-marking the lines (excluding traffic island markings, lettering and symbols)	km	2.00		
57.07	Re-establishing the painting unit at the end of the maintenance period	No	1		
TOTAL SECTION 5700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5900	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
59.01	Finishing the road and road reserve:				
	(b) Single carriageway road	m ²	12100		
TOTAL SECTION 5900 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 8100	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8100	TESTING MATERIALS AND WORKMANSHIP				
81.04	(a) Acceptance control testing by the Engineer	PC Sum	1	R 150 000	R 150 000.00
	Handling cost and profit in respect of subitem B81.04(a)	%	150 000		
	Note:				
	The cost for process control by the contractor must be included in his tendered rates.				
TOTAL SECTION 8100 CARRIED TO SUMMARY					

SCHEDULE B: ENVIRONMENTAL MANAGEMENT					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
PART C	ENVIRONMENTAL MANAGEMENT				
C10.01	Environmental Control Officer				
	(a) Payment of Environmental Officer	Prov. Sum	1	50000.00	R 50 000.00
	(d) Handling cost and profit in respect of subitem C10.01(a)	%	50 000		
C10.02	Negotiations with affected land owners and authorities				
	(a) Compensation to the land owners (excluding royalties associated to borrow materials)	Prov. Sum	1	100000.00	R 100 000.00
	(d) Handling cost and profit in respect of subitem C10.02(a)	%	100 000		
TOTAL SCHEDULE B CARRIED TO SUMMARY					

SCHEDULE C: OHS ACT OBLIGATIONS					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
PART E	OCCUPATIONAL HEALTH AND SAFETY ACT OBLIGATIONS (As and when required by the client)				
E10.01	(a) Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations (once off)	Lump Sum	1.00		
	(b) Review of OHS Plan for each assignment. Rate to include for risk assessment specific to the COVID-19 Epidemic and other adjustments to ensure compliance for the assignment.	Lump Sum	1.00		
	(c) Contractor's fixed obligations in respect of the Occupational Health and Safety Act and Construction Regulations including signage for COVID-19	Lump Sum	1.00		
	(d) Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Months	10.00		
	(e) Submission of the Health and Safety File	Lump Sum	1.00		
	(f) Provision for personal protection equipment and clothing				
	(i) Face mask for COVID-19 (respiratory protection as required)	No	1000.00		
	(ii) Surgical Gloves (of security and cleaning team)	No	1000.00		
	(iii) Safety goggles for screening person	No	50.00		
	(g) OHS training	Lump Sum	1.00		
E10.02	Occupational Health & Safety Agent on behalf of the Employer				
	(a) Payment of OHS Agent	Prov. Sum	1	60000.00	R 60 000.00
	(d) Handling cost and profit in respect of subitem E10.02(a)	%	60 000		
E10.03	Cost of medical certificate and Medical Surveillance				
	(a) Initial (baseline) medical examinations Screening for Employees with COVID-19 symptoms	No	50		
	(b) Exit examinations	No	50		
	(c) Re-induction training for COVID-19	Lump Sum	1		
	(d) Provision of First Aid Boxes	Lump Sum	1		
	(e) Non-contact thermometers	No	5		
TOTAL CARRIED FORWARD					

SCHEDULE C: OHS ACT OBLIGATIONS					
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
E10.04	Fixed-charge items				
	(a) Contractual requirements				
	(i) Facilities for contractor including offices, storage sheds, workshops, laboratories, living accommodation, ablution and latrine facilities, tools and equipment, water supplies, electric power, communications, setting out of Works, security and dealing with water, traffic and access made COVID-19 safe. <i>Including daily logbook</i>	Lump Sum	1.00		
	(ii) Hand sanitiser - 500ml	No	100		
	(iii) Cleaning and detergents for cleaning every day	Lump Sum	1.00		
	(iv) Extra cleaning staff	No	5		
	(v) Waste management for COVID-19	Lump Sum	1.00		
	(vi) Waste bins	No	5		
TOTAL SCHEDULE C CARRIED TO SUMMARY					

SCHEDULE D: TRAINING					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
PART F	STRUCTURED TRAINING				
F10.01	Training				
	(a) CETA Accredited training				
	(i) Generic skills	Prov Sum	1	75000.00	R 75 000.00
	(ii) Entrepreneurial skills	Prov Sum	1	45000.00	R 45 000.00
	(iii) Experiential training for S4 civil students.	Prov Sum	1	25000.00	R 25 000.00
	(d) Handling cost and profit in respect of subitems F10.01(i) to (iii)	%	145000.00		
	(e) Training venue	Lump Sum	1	10000.00	R 10 000.00
	(f) Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity of the site	Prov. Sum	1	10000.00	R 10 000.00
	(g) Handling cost and profit in respect of subitem F10.01(f)	%	10 000		
TOTAL SCHEDULE D CARRIED TO SUMMARY					

SUMMARY OF BILL OF QUANTITIES		
SCHEDULE A : ROADWORKS		
SECTION	DESCRIPTION	AMOUNT
1200	General requirements and provisions	
1300	Contractor's establishment on site and general obligations	
1400	Offices and laboratory for site personnel	
1500	Accommodation of traffic	
1700	Clearing and grubbing	
1800	Dayworks	
2100	Drains	
2200	Prefabricated culverts	
2300	Concrete kerbing, concrete channeling, chutes and downpipes, and	
3100	Borrow materials	
3300	Mass earthworks	
3400	Pavement layers of gravel materials	
3500	Stabilization	
5100	Pitching, Stonework and Protection	
5500	Fencing	
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		
TOTAL SCHEDULE B: ENVIRONMENTAL MANAGEMENT		
TOTAL SCHEDULE C: OHS ACT OBLIGATIONS		
TOTAL SCHEDULE D: TRAINING		
TENDER (CONTRACT) SUM		
ADD 10% FOR CONTINGENCIES		
SUBTOTAL		
ADD : 15% VAT		
TENDER (CONTRACT) PRICE TO FORM OF OFFER		