

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:	Prov. Sum			
	(i) Eskom	Prov. Sum	1	750000.00	R 750,000.00
	(ii) Telkom	Prov. Sum	1	75000.00	R 75,000.00
	(iii) Municipal services	Prov. Sum	1	300000.00	R 300,000.00
	(iv) Private property services	Prov. Sum	1	500000.00	R 500,000.00
	(b) Handling cost and profit in respect of B12.01(a)	%	1,625,000		
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	520		
	(2) Hard Material	m ³	104		
	(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	50		
	(ii) Hard Material	m ³	10		
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	200000.00	R 200,000.00
	(b) Handling cost and profit in respect of subitem B12.03(a)	%	200,000		
B12.04	Provision for a Community Liaison Officer				
	(a) Remuneration of CLO	Prov. Sum	12	8500.00	R 102,000.00
	(b) Handling cost and profit in respect of subitem B12.04(a)	%	102,000		
B12.05	Provision for a Social Facilitator				
	(a) Payment of Social Facilitator	Prov. Sum	1	R 720,000.00	R 720,000.00
	(d) Handling cost and profit in respect of subitem B12.05(a)	%	280,000		
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	12		
	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.	2		
	<u>SUMS STATED PROVISIONALLY</u>				
	Land Survey Act:				
	Appointment of and Independent Geotechnical Laboratory	Prov. Sum	1	R 150,000.00	R 150,000.00
	Appointment of an Independent Surveyor to check workmanship	Prov. Sum	1	R 150,000.00	R 150,000.00
	Percentage mark-up on above items (5.1 - 5.5) for contractors overheads, administration charge and profit	%	R 300,000.00		
TOTAL SECTION 1300 CARRIED TO SUMMARY					

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) (e) Ablution units	m ² No	80 3		
14.02	Office and laboratory furniture (a) Chairs (d) Desks, complete with drawers and locks	No No	14 5		
B14.03	Office and laboratory fittings, installations and equipment (a) Items measured by number (i) 220/250 volt power points (iii) Double 80 watt fluorescent light fittings complete with ballast and tubes (vi) Wash-hand basins complete with taps and drains (x) Fire extinguishers, 9,0 kg, all purpose dry powder type, complete, mounted on wall with brackets (xi) Air-conditioning units with 2.2kW minimum capacity mounted and with own power connection (xix) Rain gauge (xx) Plan holder (xxi) Floodlights complete with poles and 500Watt minimum globes	No No No No No No No	4 2 2 1 1 1 2 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 (x) Handling cost and profit in respect of sub-item B14.03(b)(ix) above (xi) Laptop to the engineer (xii) Handling cost and profit in respect of sub-item B14.03(b)(xi) above (xiii) Internet connection (ADSL or mobile LTE) for email connectivity (xiv) Handling cost and profit in respect of sub-item B14.03(b)(xiii) above	PC Sum % Prov. Sum % PC Sum %	1 24000.00 1 21000.00 1 8000.00	R 24,000.00 21000.00 R 8,000.00	R 24,000.00 R 21,000.00 R 8,000.00
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					
14.04	Car ports				
	(a) Car ports, as specified, at offices and laboratory buildings	No	4		
14.07	Rented, hotel and other accommodation				
	(a) Provisional sum for providing rented housing, hotel or other accommodation	Prov. Sum	1	80,000.00	R 80,000.00
	(b) Handling costs and profit in respect of subitem 14.07(a)	%	80000.00		
B14.10	Provision of photostat facilities	Month	12		
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) Mandla Phone to Mazambane Road	km	1.51		
B15.03	Temporary traffic-control facilities				
	(a) Flagmen	man-day	2400		
	(b) Portable STOP and GO-RY signs	No	16		
	(d) Amber flicker lights (100 W)	No			Rate Only
	(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		
	(m) Two-way communication devices	No			Rate Only
	(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		
	(o) Provision of robot system	No			Rate Only
	(p) Road signs, TW-series, 1 200 x 1 600 including TIN, 1 200 x 400	No	1		
B15.04	Relocation of traffic-control facilities				
	(a) Relocation of traffic-control facilities, excl. robot	Lump Sum	1		
	(b) Relocation of robot system in excess of 100m	No			Rate Only
B15.10	Accommodation of traffic where the road is constructed in half-widths	km	1.51		
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	10		
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					
B15.16	Provision of traffic safety				
	(a) Traffic safety officer	Month	12		
B15.17	Non-specified signage ordered by the Engineer and Site Safety officer:				
	(a) Provisional sum for non-specified signage or arrangements as ordered by the Engineer	Prov. Sum	1	R 120,000.00	R 120,000.00
	(b) Handling cost and profit in respect of Item B15.17(a)	%	R 120,000.00		
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	5		
	(b) Using hand methods	ha	2		
17.02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1m up to and including 2m	No.	14		
	(b) Girth exceeding 2m up to and including 3m	No.	6		
17.04	Clearing and grubbing at inlets and outlets of hydraulic structures	m ²	60		
17.05	Cleaning out of hydraulic structures				
	(a) Pipes with an internal diameter up to and including 750 mm	m ³	60		
	(b) Pipes with an internal diameter exceeding 750 mm	m ³	60		
	(c) Box culverts up to and including 1,5 m vertical dimension	m ³	40		
	(d) Box culverts exceeding 1,5 m vertical dimension	m ³	50		
B17.07	Trimming of existing trees				
	(a) Chainsaw	hr	20		
	(b) By hand	hr	40		
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	85		
	(ii) Semi-skilled	hr	85		
	(iii) Skilled	hr	85		
B18.02	Foreman	hr	85		
B18.03	Tipper trucks:				
	(i) 3 - 5 ton	hr	36		
	(ii) 5,1 - 10 ton	hr	36		
B18.04	Loader (0,5m³) (55kW) - TLB	hr	36		
B18.05	Grader (CAT 140G or similar)	hr	25		
B18.06	LDV	hr	36		
B18.07	Compaction Rollers:				
	(b) Rubber tyred loader (60kW)	hr	12		
	(e) Pedestrian vibrating roller (1,4 ton)	hr	25		
	(f) Self propelled vibrating roller (80kW)	hr	26		
	(g) Pneumatic tyred roller (60kW, 20 ton)	hr	22		
	(j) 250 cmf compressor (7m³/min) complete with 2 tools and operator	hr	40		
	(k) 600 cmf compressor (7m³/min) complete with 2 tools and operator	hr	20		
	(l) Excavator (92kW)	hr	40		
	(m) Dozer (123kW)	hr	12		
B18.08	Hand Controlled Compactors				
	(i) Pedestrian roller (Bomag BW90 or similar)	hr	10		
	(ii) Vibratory plate	hr	10		
	(iii) Rammers	hr	10		
B18.09	Water truck (min 10 000 l)	hr	12		
	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:				
	(i) 0 m up to 1,5 m	m ³	3320		
	(ii) Exceeding 1,5 m and up to 3,0 m	m ³	1000		
	(b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth	m ³	50		
21.02	Clearing and shaping existing open drains	m ³	50		
21.03	Excavation for subsoil drainage systems:				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1,5 m	m ³	250		
	(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m ³	50		
	(c) Extra over item 21.03(a) for excavating through stabilised layers of existing pavement	m ³			Rate Only
B21.04	Impermeable backfilling to subsoil drainage systems				
	(a) Unstabilised natural gravel	m ³	20		
	(b) G5 material stabilised with 4% stabilising agent	m ³			Rate Only
21.05	Banks and dykes	m ³			
21.06	Natural permeable material in subsoil drainage systems (crushed stone):				
	(b) Crushed stone obtained from commercial sources				
	(i) 19mm nominal size	m ³	100		
TOTAL SECTION 2100 CARRIED FORWARD TO NEXT PAGE					

SCHEDULE A: ROADWORKS				SECTION 2100	
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL SECTION 2100 BROUGHT FORWARD FROM PREVIOUS PAGE					
21.07	Natural permeable material in subsoil drainage systems (sand):				
	(b) Sand from commercial sources	m ³			Rate Only
	(i) Coarse Grade	m ³			Rate Only
	(ii) Fine Grade				
21.08	Pipes in subsoil drainage system				
	(b) Unplasticised PVC pipes and fittings, normal duty complete with couplings				
	(i) 150 mm internal dia. perforated or slotted	m			Rate Only
	(ii) 150 mm internal dia. unperforated	m	610		
21.09	Polyethylene sheeting, 0,15mm thick, or similar approved material, for lining subsoil drainage systems	m ²			Rate Only
21.10	Synthetic-fibre filter fabric - grade 2: Kaytech U14 or approved equivalent	m ²	2000		
B21.12	Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil drainage systems:				
	(a) Outlet structures	No	10		
	(d) Cleaning eyes	No	5		
21.13	Concrete caps for subsoil drain pipes	No	5		
21/B16.02	Overall for material hauled in excess of 5,0km	m ³ -km			Rate Only
21/B16,03	Cleaning facilities for subsoil drainage systems				
	(a) Long Radius Bends	no	3		
	(b) 45° tees	no	3		
	(c) Concrete Caps	no	3		
	(d) Cast iron surface boxes	no	3		
TOTAL CARRIED FORWARD TO SUMMARY					

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 (ii) Exceeding 1,5m and up to 3,0m (iii) Exceeding 3,0m and up to 4,5m (b) Extra over subitem 22.01(a) for excavation in hard material irrespective of depth	m ³ m ³ m ³ m ³	60 310 10 10		
	BACKFILLING				
B22.02	Backfilling (a) Using the excavated material (b) Using imported selected material (c) Extra over subitems 22.02(a)&(b) for soil cement backfilling (ii) 8% OPC	m ³ m ³ m ³	180 105 50		
	PIPE CULVERTS				
22.03	Concrete pipe culverts (b) On class B bedding (i) Ogee class 50 D (i) 300mm dia Class 50D (ii) 450mm dia Class 50D (iii) 600mm dia Class 50D (iv) 750mm dia Class 50D (v) 900mm dia Class 50D (vi) 1050mm dia Class 50D (vii) 1200mm dia Class 50D (ii) Ogee class 100 D (i) 300mm dia Class 100D (ii) 450mm dia Class 100D (iii) 600mm dia Class 100D (iv) 750mm dia Class 100D (v) 900mm dia Class 100D (vi) 1050mm dia Class 100D (vii) 1200mm dia Class 100D	m m m m m m m m m m m m m m m	128 50		Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only
	PORTAL CULVERTS (a) Complete with prefabricated floor slabs (i) 450mm x 300mm (ii) 450mm x 450mm (iii) 600mm x 300mm (iv) 600mm x 450mm (v) 600mm x 600mm (vi) 750mm x 300mm (vii) 750mm x 750mm (vii) 1500mm x 1500mm	no no no no no no no no			Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only Rate Only
SECTION 2200 TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
22.07	CONCRETE AND FORMWORK				
	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	50		
	(ii) Class 20/19	m ³			Rate Only
	(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	115		
	(ii) Class 30/19	m ³			Rate Only
	(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	25		Rate Only
	(ii) Class 30/19	m ³			
	(d) Formwork of concrete under subitem 22.07(c) above				
	(i) Class F2	m ²			Rate Only
	(i) Horizontal	m ²			Rate Only
	(ii) Vertical	m ²			
SECTION 2200 TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
	(ii) Class F1	m ²			Rate Only
	(i) Horizontal	m ²			Rate Only
	(ii) Vertical				
	CONCRETE BACKFILL				
22.08	Concrete backfill for culverts				
	(i) Class 20/19	m ³			Rate Only
	REINFORCEMENT				
22.10	Steel reinforcement				
	(a) Mild steel bars	ton	0.8		
	(b) High tensile steel bars	ton	2.2		
	(c) Welded steel fabric	kg	3355		
	REMOVE CONCRETE				
	MANHOLES, CATCHPITS, Etc.				
22.17	Manholes, catchpits, precast inlet and outlet structures complete				
	(a) Manholes as per drawing				
	(i) Type A, up to 2.5m deep	no	3		
	(ii) Type A, up to 5.0m deep	no			Rate Only
	Cast insitu base slab, 100mm thick, 25Mpa concrete including 2 layers of ref.193 mesh, on bedding prepared.	no	3		
	(b) Catchpits (kerbmaster or similar)				
	(i) 2,8m long for outgoing pipe up to 600mm dia	no			Rate Only
	(ii) 3,5m long for outgoing pipe up to 600mm dia	no	3		
	Cast insitu base slab, 100mm thick, 25Mpa concrete including 2 layers of ref.193 mesh, on bedding prepared.	no	3		
	(c) Precast inlet and outlet structures				
	(i) For box culverts	no			Rate Only
	(ii) For Pipe culverts upto 1200mm dia. Outlets. As per Typical DWG	no	0		
SECTION 2200 TOTAL CARRIED FORWARD					R 0.00

SCHEDULE A: ROADWORKS				SECTION 2200	
ITEM NO		UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					R 0.00
	BRICKWORK				
	Brickwork				
	(a) 115mm Thick	m ²	90		
	(b) 230mm Thick	m ²	380		
	(c) 345mm Thick	m ²	50		
	PLASTER AND BENCHING				
22.19	Plaster	m ²	140		
22.20	Benching (20mm average thick)	m ²	2.5		
	ACCESSORIES				
22.21	Accessories				
	(a) Manhole cover and frame as per drawing	no	15		
	(b) Inlet grid and frame as per drawing	no	16		
	(c) Step iron as per drawing	no	6		
	(d) 80x80x6 Angle profile	kg	850		
	(e) 60x3.00mm Round hollow sections	kg	420		
	(f) Bearing Pad 5mm plate 150mm Long	kg	80		
22.22	Anchors for pipes				
	(a) As per drawing	no			Rate Only
22.23	Service ducts				
	(a) Ordinary pipes				
	(i) uPVC pipes				
	(i) 110mm Diameter	m			Rate Only
	(ii) 160mm Diameter	m			Rate Only
22.24	Duct marker blocks				
	(a) As per drawing	no			Rate Only
	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	600		
B22.29	Removing and disposal of existing concrete pipe culverts of diameters:				
	i) 450 mm	m	50		
	ii) 600 mm	m	80		
	iii) 900 mm	m	40		
	iv) 1050 mm	m			Rate Only
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 3	m			Rate Only
	(ii) Figure 7	m	50		
	(iii) Figure 8b	m	895		
	(iv) Figure 8d	m			Rate Only
	(v) Figure 12	m	25		
	(vi) Type 8c	m			Rate Only
	(vii) Figure 14	m			Rate Only
	(b) Circular sections				
	(i) Figure 1	m			Rate Only
	(ii) Figure 3	m			Rate Only
	(iii) Figure 7	m			Rate Only
	(iv) Figure 8b	m	140		
	(v) Figure 8c	m			Rate Only
	(vi) Figure 8d	m			Rate Only
	(vii) Figure 12	m			Rate Only
	(viii) Type 8c	m			Rate Only
	CHUTES				
23.04	Cast in situ concrete chutes (measured by components)				
	(a) Class 30/19 concrete				
	(i) Chutes	m ³	70		
	(b) Formwork class F1				
	(i) Vertical sides	m ²	70		
	CONCRETE LINED OPEN DRAINS				
B23.07	Trimming of excavation for concrete lined open drains				
	(a) In Soft material	m ²	1000		
	(b) In hard material	m ²	250		
23.08	Concrete lining for open drains				
	(a) Type E concrete lining (class 30/19)	m ³	288		
	(b) Class U2 surface finish to cast-in-situ concrete	m ²	50		
23.09	Class F2 formwork to cast-in-situ concrete lining for open drains				
	(a) To sides with formwork on the internal face only	m ²	2010		
	(b) To sides with formwork on both internal and external faces	m ²	40		
	(c) To ends of slabs	m ²			Rate Only
SECTION 2300 CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 2300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION 2300 BROUGHT FORWARD					
23.10	Sealed joints in concrete linings of open drains (As per drawing)	m	2450		
23.11	Concrete screed or backfill below chutes (a) Class 20/19 concrete	m ³	15		
23.12	Steel Reinforcement (a) Mild Steel bars	ton	4		
23.13	150 Micron black polyethelene sheeting for concrete lined open drains	m ²	2010		
23.14	Cutting bituminous surfacing and pavement layers for concrete kerbing, channelling or concrete lined drains	m			Rate Only
23.15	Precast concrete blocks in outlet structures (As per drawing)	no	15		
B23.16	Demolition and removal of existing kerb and/or channel	m ³	500		
	EDGE BEAMS				
B23.17	Concrete edge beams (300mm x 200mm) Class 30/19 concrete				
	(a) Straight sections	m	125		
	(b) Circular sections	m			Rate Only
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	150		
	FINISHING OFF				
31.03	Finishing off borrow areas in				
	(a) Hard material	ha	1.0		
	(c) Soft material	ha	1.0		
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	100000	R 100,000.00
	(b) Handling cost and profit in respect of sub-item B31.05(a) above	%	R 100,000.00		
B31.06	Royalties for the use of borrow pit				
	(a) Royalty as agreed with Employer	Prov Sum	1	100000	R 100,000.00
	(b) Handling cost and profit in respect of sub-item B31.06(a) above	%	R 100,000.00		
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 90% mod.AASHTO density	m ³			Rate Only
	(ii) Compacted to 93% mod.AASHTO density	m ³	5491		
	(iii) Eight roller passes compaction	m ³			Rate Only
	(b) Material in compacted layer thickness exceeding 200mm				
	(i) Compacted to 90% mod.AASHTO density	m ³			Rate Only
	(ii) Compacted to 93% mod.AASHTO density	m ³			Rate Only
	(iii) Eight roller passes compaction	m ³			Rate Only
	(c) Rock fill (as specified in subclause 3209(c))	m ³	80		
	(e) Pioneer layer (as specified in subclause 3307(c))	m ³			Rate Only
33.03	Extra over item B33.01 for excavating and breaking down material in				
	(a) Intermediate excavation	m ³	60		
	(b) Hard excavation	m ³	500		
	(c) Boulder excavation class A	m ³	150		
	(d) Boulder excavation class B	m ³	10		
TOTAL SECTION 3300 CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 3300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION 3300 BROUGHT FORWARD					
B33.04	CUT TO SPOIL				
	Cut to spoil including freehaul up to 5km with material obtained from				
	(a) Soft excavation	m ³	1273		
	(b) Intermediate excavation	m ³	191		
	(c) Hard excavation	m ³	64		
	(d) Boulder excavation class A	m ³	1200		
33.06	(e) Boulder excavation class B	m ³	20		
	VARIATIONS				
	Variation in the number of roller passes (applicable to subitems B33.01(a)(iii) and B33.01(b)(iii) and item 33.11)				
	(a) Vibratory rollers	m ² /pass			Rate Only
	(b) Oscillatory rollers	m ² /pass			Rate Only
	(c) Grid rollers	m ² /pass			Rate Only
B33.07	(d) Tamping rollers	m ² /pass			Rate Only
	(e) Impact rollers	m ² /pass			Rate Only
	(f) Pneumatic-tyred rollers	m ² /pass			Rate Only
	UNSUITABLE MATERIAL				
	Removal of unsuitable material (including free-haul of 5km)				
	(a) In layer thicknesses of 200mm and less				
33.08	(i) Stable material	m ³	600		
	(ii) Unstable material	m ³	100		
	(b) In layer thicknesses exceeding 200mm				
	(i) Stable material	m ³	50		
	(ii) Unstable material	m ³	10		
	WIDENING OF CUTS				
33.08	Widening of cuts (extra over items B33.01, 33.02 and B33.04)				
	(a) In hard material	m ³	700		
	(b) In boulder material class A or class B	m ³	10		
	(c) In all other materials	m ³			Rate Only
TOTAL SECTION 3300 CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 3300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION 3300 BROUGHT FORWARD					
33.10	ROADBED				
	Roadbed preparation and the compaction of material				
	(a) Compaction to 90% mod AASHTO density	m ³			Rate Only
	(b) Compaction to 93% mod AASHTO density	m ³	1411		
33.11	Three roller passes compaction				
	(a) Vibratory rollers	m ²	100		
	(b) Oscillatory rollers	m ²			Rate Only
	(c) Grid rollers	m ²	100		
	(d) Tamping rollers	m ²			Rate Only
	(e) Impact rollers	m ²			Rate Only
	(f) Pneumatic-tyred rollers	m ²	100		
33.12	In situ treatment of roadbed by				
	(a) Ripping	m ³	1411		
	(b) Blasting	m ³	71		
	FINISHING				
33.13	Finishing off cut and slopes, medians and interchange areas				
	(a) Cut slopes	m ²	5000		
	(b) Fill slopes	m ²			Rate Only
	(c) Medians and interchange areas	m ²	2000		
33.14	Extra over item 33.01 for excavating material from the pavements and fills of the existing roads				
	(a) Non-cemented material	m ³			Rate Only
	(b) Cemented material	m ³			Rate Only
TOTAL SECTION 3300 CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 3300	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION 3300 BROUGHT FORWARD					
33.16	Widening of fills as specified in subclause B3307(i) extra over				
	(a) Item B33.01(a)	m ³	100		
	(b) Item B33.01(b)	m ³	50		
	STOCKPILING MATERIAL				
B33.20	Fill constructed with material obtained from commercial sources provided by the contractor including all haul				
	(a) Gravel material in compacted layers thickness of 200mm and less				
	(i) Compacted to 93% of MDD	m ³	50		
33/32.06	Stockpiling of material	m ³	4136		
	RESTRICTED AREAS				
	Refer to clause B1155 : Under this contract, no additional or extra over payment will be made for work in restricted areas				
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:				
	(c) Gravel subbase (unstabilized material) (150mm thick) compacted to 96% of MDD (i) Stockpile G6 from Insitu)	m ³	4135.68		
	(e) Gravel base (unstabilised gravel) (150mm thick) compacted to 98% of MDD: (i) Imported G5 from borrow pit	m ³			Rate Only
	(f) Gravel base (chemically stabilised material) (150mm thick) compacted to 98% of MDD: (i) Imported G5 from borrow pit (ii) Imported G4 from commercial source	m ³ m ³	1,273		Rate Only
34.02	Extra over item B34.01 for excavation of material in				
	(a) Intermediate excavation	m ³	50		
	(b) Hard excavation	m ³	10		
34/B16.02	Overhaul on material hauled in excess of 5,0 km (ordinary overhaul)	m ³ -km	108,174		
34/32.04	Removal of oversize pavement material	m ³			Rate Only
34/32.05	Additional normal grid rolling	m ³			Rate Only
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:				
	(b) Base (C4 nominal cement 1,5%, 150mm thick)(Extra over B34.01(f)) (1) 150mm	m ³	1,273		
B35.02	Chemical stabilising agent:				
	(a) CEM II/A-V 32.5	t	120		
	(c) Road lime (type indicated)	t			Rate Only
35.03	Mechanical modification (extra over untreated layer)				
	(b) By mixing materials from different sources	m ³			Rate Only
35.05	Curing by covering with the subsequent layer				
	(a) 150mm Subbase and Road 1 Base (150mm)	m ²	9,548		
35.13	Extra over B35.01 for trial section	m ³	400		
35/33.11	Three roller compaction (before mixing of cement by recycler)				
	(a) Vibratory roller (smooth drum)				
	(i) Subbase (B35.01)	m ²	200		
35/B34.14	Provisional sum for sampling and testing of material for stabilisation design				
	(a) Cost of labour, transport, supervision, accommodation of traffic and incidentals	Prov. Sum	1	50000.00	R 50,000.00
	(b) Handling cost and profit in respect of subitem B34.14(a)	%	50,000		
34/B38.16	Providing the recycling unit on site (capable of milling-recycling to a depth of 300mm and minimum width of 2m)	Lump Sum	1		
TOTAL SECTION 3500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 3900	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE				
39.01	Sawing Asphalt or cemented pavement layer for patching :				
	(a) Sawing Asphalt (i) Not Exceeding 50mm	m ²	90		
B39.02	Excavation in existing pavements for patching in:				
	(a) Asphalt layers	m ³	27		
	(b) All other layers	m ³	112.5		
B39.03	Backfilling of excavation for patching with (a) Chemically stabilized G5 material with 3% CEM II 32.5 A-L for patch with a surface area: (i) not exceeding 5m ² (ii) Exceeding 5m ² but not exceeding 100m ² (iii) Exceeding 100m ²	m ³ m ³ m ³	113		
39.04	Compacting the floor of excavation for patching	m ²	90		
TOTAL SECTION 5100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5100	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5100	PITCHING, STONWORK 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	250		
	SEGMENTED PAVING FOR SIDEWALKS				
51.04	Concrete pitching and block paving				
	(d) Prefabricated concrete paving blocks for sidewalks pavement and road surfacing (iv) Side walks (1) Z-interlocking paver 50mm thickness (200x100) Grey	m ²	8335		
B22.30	MISCELLANEOUS Supply Installation of complete Speed Hump	no	12		
TOTAL SECTION 5100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5200	
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5200	GABIONS				
52.01	Foundation trench excavation and backfilling:				
	(b) In all other classes of materials	m ³	120		
52.02	Surface preparation for bedding the gabions	m ²	120		
52.03	Gabions:				
	(a) Galvanized gabion boxes				
	(1) 2m x 1m x 0.3 m boxes, using 2.7mm diameter wire and 80mm x 100mm mesh size	m ³	108		
	(2) 2m x 1m x 0.5m boxes, using 2.7mm diameter wire and 80mm x 100mm mesh size	m ³	50		
	(3) 6m x 2m x 0.3 boxes, using 2.7mm diameter wire and 80mm x 100mm Mesh size	m ³	20		
52.04	Filter fabric (Bidim U34 or similar)	m ²	955		
TOTAL SECTION 5200 CARRIED FORWARD TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5400	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
54.00	<u>GUARDRAILS</u>				
	<u>GUARDRAILS</u>				
54.01	<u>Guardrails on timber posts</u>				
	(a) Galvanized	m	800		
54.02	<u>Guardrails on steel posts</u>				
	(a) Galvanized	m			Rate Only
	(b) Painted	m			Rate Only
54.03	Extra over items 54.01, 54.02 and 54.11 for horizontal curved guardrails factory bent to a radius of less than 45m	m			Rate Only
	<u>END TREATMENTS</u>				
54.04	<u>End treatments as per drawing</u>				
	(a) End wings	no	6		
	(b) Bull noses	no			Rate Only
	(c) Bridge adaptors	no			Rate Only
	(d) End treatments in where single guardrail sections are used	no			Rate Only
	(e) End treatments in where double guardrail sections are used	no			-
	<u>SUNDRIES</u>				
54.05	<u>Additional guardrail poste</u>				
	(a) Timber	no			Rate Only
	(b) Steel	no			Rate Only
54.06	<u>Reflective plates as per drawing</u>	no			Rate Only
	<u>EXISTING GUARDRAILS</u>				
54.07	Removing existing guardrails	m	120		
54.08	<u>Renovating guardrail material</u>				
	(a) <u>Guardrails and end treatments</u>				
	(i) Clean galvanized components with approved cleaner	m	125		
	(ii) Re-paint painted components	m			Rate Only
	(iii) Re-galvanize components including all transport	m			Rate Only
TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 5400	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	TOTAL CARRIED PREVIOUS				-
	(b) <u>Posts</u>				
	(i) Clean galvanized components with approved cleaner	no			Rate Only
	(ii) Re-paint painted components	no	16		-
	(iii) Re-galvanize components including all transport	no			Rate Only
54.09	<u>Re-erection of gaurdrails with recovered and/or new material</u>				
	(a) Single guardrail	m	75		
	(b) Double guardrail	m			Rate Only
54.10	<u>Re-erection of end treatments with recovered material</u>				
	(a) End wings	no	10		Rate Only
	(b) Bull noses	no			Rate Only
	(c) Bridge adaptors	no			Rate Only
	(d) End treatments in where single guardrail sections are used	no	1		
	(e) End treatments in where double guardrail sections are used	no			Rate Only
54.11	<u>New material required for the re-erection of guardrails with recovered materials</u>				
	(a) Guardrails	m			Rate Only
	(b) Timber posts	no			Rate Only
	(c) Steel posts	no			Rate Only
	(d) Reflective plates	no			Rate Only
	(e) Spacer blocks	no			Rate Only
	(f) Splice bolt complete with nut and washers	no			Rate Only
	(g) Post bolt complete with nut and washers	no			Rate Only
	(h) Reinforcing plates	no			Rate Only
	<u>SUNDRIES</u>				
54.13	<u>Steel base plates for timber guardrail posts on structures as per drawing</u>	no			Rate Only
	TOTAL SECTION 5400 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	1.5		
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	10.0		
55.04	Moving of existing fences and gates				
	a) Fences:				
	i) Stock-proof fences	km	3.5		
	b) Gates	No.	30		
55.05	Dismantling of existing fences				
	i) Stock-proof fences	km	15.0		
	b) Gates	No.	20		
TOTAL SECTION 5500 CARRIED FORWARD TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 5600	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5600	ROAD SIGNS				
56.01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class I retro-reflective material, where the board is constructed from				
	(c) Prepainted galvanized steel plate (2mm Chromadec)				
	(i) Area not exceeding 2 m ²	m ²			Rate Only
	(ii) Area exceeding 2 m ² but not exceeding 10 m ²	m ²			Rate Only
	(iii) Area exceeding 10 m ²	m ²			Rate Only
56.02	Extra over item 56.01 for using:				
	(a) Background of retro reflective material				
	(i) Class I	m ²			Rate Only
	(ii) Class II	m ²			Rate Only
	(iii) Class III	m ²			Rate Only
	(b) Lettering, symbols, numbers, arrows, emblems, and borders of retro-reflective material				
	(i) Class II	m ²			Rate Only
	(ii) Class III	m ²			Rate Only
	SIGN SUPPORTS				
56.03	Road sign supports (overhead road sign structures excluded)				
	(b) Timber posts				
	(i) 150mm Diameter CCA treated	m	50		
56.05	Excavation & backfilling for road sign supports (not applicable to kilometer posts)				
		m ³	16		
56.06	Extra over item 56.05 for cement-treated soil backfill				
	(a) With 5% OPC	m ³	18		
56.07	Extra over item 56.05 for rock excavation	m ³	3		
TOTAL SECTION 5600 CARRIED FORWARD					

SCHEDULE A: ROADWORKS				SECTION 5600	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL SECTION 5600 BROUGHT FORWARD					
56.08	EXISTING SIGNAGE				
	Dismantling, storing and re-erecting road signs with				
	(a) Area not exceeding 2 m ²	m ²			Rate Only
	(b) Area exceeding 2 m ² but not exceeding 10 m ²	m ²			Rate Only
	(c) Area exceeding 10 m ²	m ²			Rate Only
	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	47		
	(ii) R201 (Speed limit 40km/h)	No	14		
	(b) Provision and erection of warning traffic signs for 60km/h design standard, complete				
	(i) W104 (T-junction)	No	8		
	(ii) W307 (pedestrians)	No	8		
	(iii) W332 (Speed humps)	No	24		
	(c) Provision and erection of information traffic signs for 60km/h design standard, complete				
	(i) W401 or W402 (Danger Plates 150mm x 600mm)	No	36		
	(ii) W202 or W203 (Gentle curve chevron 450mm x 450mm)	No	10		
	(d) Provision and erection of reservation traffic signs for 60km/h design standard, complete				
	(i) R327 (Bus and Mini bus reservation)	no	6		
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	6.78		
	(ii) 300 mm wide	km	1		
	(iii) 500 mm wide	km	0.5		
	(b) Yellow lines (broken or unbroken)				
	(i) 100 mm wide	km			Rate Only
	(d) White lettering and symbols	m ²	300		
57.04	Variations in rate of application:				
	(a) White paint	l			Rate Only
	(b) Yellow paint	l			Rate Only
57.06	Setting out and pre-marking the lines (excluding traffic island markings, lettering and symbols)	km	1.51		
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	40718		
TOTAL SECTION 5900 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS				SECTION 8100	
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8100	TESTING MATERIALS AND WORKMANSHIP				
81.02	(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)	%	R150,000.00		
	Note:				
	The cost for process control by the contractor must be included in his tendered rates.				
TOTAL SECTION 8100 CARRIED TO SUMMARY					R 150,000.00

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	R 100,000.00	R 100,000.00
	(d) Handling cost and profit in respect of subitem C10.01(a)	%	100,000	10.00%	R 10,000.00
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	Lump Sum	1.00		
	(b) Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Months	12.00		
	(c) Submission of the Health and Safety File	Lump Sum	1.00		
	(d) Provision for personal protection equipment and clothing	Lump Sum	1.00		
	(e) 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	R 600,000.00	R 600,000.00
	(d) Handling cost and profit in respect of subitem E10.02(a)	%	600,000		
E10.03	Occupational Health & Safety Relation to COVID-19				
	(a) Review of OHS plan for each assignment. Rate to include risk assessment specific to the COVID-19 pandemic and other adjustments to ensure compliance for the assignment	Sum	1		
	(b) Principal Contractor's Fixed Cost obligation in respect of the OHS Act and Construction Regulations Signage-COVID-19 Related	Sum	1		
	(c) Provision for Personal Protective Equipment & protective Clothing:				
	(i) Including but not restricted to Reflective Vests	sum	1		
	(ii) Including but not restricted to Reflective Bibs	Sum	1		
	(iii) Including but not restricted to Hard Hats	Sum	1		
	(iv) Including but not restricted to protective footwear	Sum	1		
	(v) Including but not restricted to Earplugs	Sum	1		
	(vi) Including but not restricted to Dust Masks	Sum	1		
	(vii) Face Masks for COVID-19 (respiratory protection as required)	Sum	1		
	(viii) Surgical Gloves (for security and cleaning team)	Sum	1		
	(ix) safety Goggles for Screening Person	Sum	1		
TOTAL SCHEDULE C CARRIED TO FORWARD					

SCHEDULE C: OHS ACT OBLIGATIONS					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL CARRIED FROM PREVIOUS					
	(d) Costs of medical certificate and Medical Surveillance	Sum	1		
	(i) Initial (baseline) medical examination screenings for Employees with COVID-19 Symptoms	Sum	1		
	ii) Exit examination	Sum	1		
	(e) Re-induction Training for Covid-19	Sum	1		
	(f) Provision of First Aid Boxes	Sum	1		
	(g) Non contact Thermometers	Sum	1	R 4,000.00	R 4,000.00
	(l) Covid-19 OHS Compliance officer				
	(i) Payment of OHS Compliance Officer	Sum	1	R 250,000.00	R 250,000.00
	(ii) Handling Cost and profit in respect of subitem E10.03 (l)(i) above	%	R 250,000.00		
	(j) Provision for use by Engineer of Environmental Compliance officer				
	(i) Payment of ECO	Sum	1	R 75,000.00	R 75,000.00
	(ii) Handling Cost and profit in respect of subitem E10.03 (j)(i) above	%			
	(k) Other fixed-charge obligations for Covid-19 Hand Sanitiser-500ml	Sum	1		
	(m) Cleaning and detergents for cleaning every day Daily Logbook for above	Sum	1		
	(n) Extra cleaning staff	Sum	1		
	(o) Waste management for COVID-19:				
	(i) Waste Bins	Sum	1		
	Transport to Construction Site				
	(p) Safety for COVID-19	Sum	1		
	(q) Maintenance of a register for workers contacts	Sum	1		
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	Prov. Sum	1	R120,000.00	R 120,000.00
	(i) Generic skills	Prov Sum	1	R200,000.00	R 150,000.00
	(ii) Entrepreneurial skills	Prov Sum	1	R50,000.00	R 50,000.00
	(iii) Experiential training for S4 civil students.	Prov Sum	1	R125,000.00	R 125,000.00
	(d) Handling cost and profit in respect of subitems F10.01(i) to (iii)	%	R375,000.00		
	(e) Training venue	Lump Sum	1		
	(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	R50,000.00	R 50,000.00
	(g) Handling cost and profit in respect of subitem F10.01(f)	%	50,000		
TOTAL SCHEDULE C 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 concrete linings for open drains	
3100	Borrow materials	
3300	Mass earthworks	
3400	Pavement layers of gravel materials	
3500	Stabilization	
3900	Patching and repairing Edge break	
5100	Pitching, Stonework and Protection	
5200	Gabions	
5400	Guardrails	
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		
SCHEDULE B : ENVIRONMENTAL MANAGEMENT		
SCHEDULE C : OHS ACT OBLIGATIONS		
SCHEDULE D: TRAINING		
TOTAL SCHEDULE A : ROADWORKS		
TOTAL SCHEDULE B: ENVIRONMENTAL MANAGEMENT		
TOTAL SCHEDULE C: OHS ACT OBLIGATIONS		
TOTAL SCHEDULE D: TRAINING		
TENDER (CONTRACT) SUM		
1) ADD 10% FOR CONTINGENCIES (This amount is under the sole control of the employer)		
1) ADD 5% FOR CPA (This amount is under the sole control of the employer)		
SUBTOTAL		
15% VAT		
TOTAL TO FORM OF OFFER		

TIME FOR COMPLETION

SIGNED ON BEHALF OF TENDER
