

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1200	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
	<b>GENERAL REQUIREMENTS AND PROVISIONS</b>					
<b>B12.01</b>	<b>Training:</b>					
	(a) Engineering (technical) skills	Prov Sum	1	R 65 000.00	R	65 000.00
	(b) Generic skills	Prov Sum	1	R 65 000.00	R	65 000.00
	(c) Entrepreneurial skills	Prov Sum	1	R 45 000.00	R	45 000.00
	(d) Training venue	Prov Sum	1	R 20 000.00	R	20 000.00
	(e) Remuneration of workers undergoing technical skills training	Prov Sum	1	R 64 000.00	R	64 000.00
	(f) Contractor's handling costs, profit and all other charges in respect of subitems B12.01(a), (b), (c) and (e):	%	R 259 000.00			
	(g) Training of Emerging Contractors	Prov Sum	1	R 65 000.00	R	65 000.00
	(h) Training venue	Prov Sum	1	R 20 000.00	R	20 000.00
	(i) Contractor's handling costs, profit and all other charges in respect of subitems B12.01 (g) and (h):	%	R 85 000.00			
<b>B12.02</b>	<b>Remuneration of the Community Liaison Officer and members of the Project Liaison Committee:</b>					
	(a) Community Liaison Officer	Prov Sum	1	R 144 000.00	R	144 000.00
	(b) Project Steering Committee	Prov Sum	1	R 108 000.00	R	108 000.00
	(c) Contractor's handling costs, profit and all other charges in respect of subitems B12.02(a) and (b):	%	R 252 000.00			
<b>B12.03</b>	<b>Occupational Health and Safety Obligations</b>	Month	12			
	(a) SABS Approved Heavy Duty Personal Protective Equipment (PPE)	Sum	1			
	(b) Other Occupational Health and Safety Obligations as cited in the OHS Specifications	Sum	1			
<b>B12.04</b>	<b>Contractor's obligations in respect to local labourers</b>					
	(a) Provision of transport of local labourers	Sum	1			
	(b) Provision of entrance and exit medicals	Sum	1			
1200	Carried forward					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1200	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
	Brought forward					
<b>B12.06</b>	<b>Protection, removal, realignment and replacement of services:</b>					
	(a) Existing Telkom, Water and Sewer Services					
	(i) The removal, protection and replacement of installations	PC Sum	1	R 250 000.00	R	250 000.00
	(ii) Handling cost and profit in respect of subitem B21.06(a)(i)	%	R	250 000.00		
	(b) Existing Eskom services					
	(i) The removal, protection and replacement of installations	PC Sum	1	R 50 000.00	R	10 000.00
	(ii) Handling cost and profit in respect of subitem B21.06(a)(i)	%	R	10 000.00		
<b>B12.07</b>	<b>Name Boards (x2)</b>	Lump Sum	2			
<b>B12.08</b>	<b>Compliance with OHS Act and Regulations (including the Construction Regulations 2014)</b>					
	(a) SHEQ Officer	Month	12			
	(b) Health and Safety Representative (Locally Appointed)	Month	12			
<b>B12.09</b>	<b>Submission of Health and Safety File</b>					
	The Contractor must submit to the Employer a Health and Plan for approval by the Safety Officer within 14 days of appointment and before commencing with any works on site	Sum	1			
<b>B12.10</b>	<b>Housing for Engineer's Staff Disbursements</b>					
	(a) Housing throughout duration of contract	PC Sum	1	R 216 000.00	R	216 000.00
	(b) Cell-Phone and Data Allowance	PC Sum	1	R 72 000.00	R	72 000.00
	(c) Travelling	PC Sum	1	R 432 000.00	R	432 000.00
<b>B12.11</b>	<b>Engineer's Full-Time Monitoring (Level 3)</b>	PC Sum	1	R 1 944 000.00	R	1 944 000.00
<b>B12.12</b>	<b>ECO Monthly Audits by EAP</b>	PC Sum	1	R 600 000.00	R	600 000.00
<b>B12.13</b>	<b>Occupational Health and Safety Audits by Health and Safety Agent</b>	PC Sum	1	R 600 000.00	R	600 000.00
	(i) Handling cost and profit in respect of subitems B12.10 - B12.13	%	R	3 864 000.00		
<b>1200</b>	<b>TOTAL CARRIED TO SUMMARY</b>					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</b>				
<b>B13.01</b>	<b>The Contractor's General Obligations:</b>				
	(a) Fixed obligations	Lump Sum	1		
	(b) Value-related obligations	Lump Sum	1		
	(c) Time-related obligations	Month	12		
	<b>NB</b> The combined total tendered for subitems (a), (b) and (c) shall not exceed 15% of the Tender Sum (excluding CPA, contingencies and VAT).				
<b>B13.02</b>	<b>Management of the Works</b>				
	(a) The Contractor to maintain full time supervision of works for the duration of the contract	Month	12		
<b>1300</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</b>				
<b>B14.01</b>	<b>Office and laboratory accommodation:</b>				
(a)	Offices (interior floor space only)	m <sup>2</sup>	30		
(e)	Ablution units:				
(i)	Site unit	m <sup>2</sup>	10		
(g)	Venue for site meetings	m <sup>2</sup>	20		
<b>14.02</b>	<b>Office and laboratory furniture:</b>				
(a)	Chairs	No	10		
(d)	Desks, complete with drawers and locks	No	1		
(e)	Drawing tables	No	1		
(f)	Conference tables	No	1		
<b>B14.03</b>	<b>Office and laboratory fittings, installations and equipment:</b>				
(a)	Items measured by number:				
(i)	220/250 volt power points including voltage stabilisers and regulators as specified	No	2		
(iii)	Double 80 watt fluorescent-light fittings complete with ballast and tubes	No	2		
(iv)	Double 55 watt fluorescent-light fittings complete with ballast and tubes	No	2		
(vi)	Wash-hand basins complete with taps and drains	No	1		
(x)	Fire extinguishers, 9,0 kg all purpose dry powder type, complete, mounted on wall with brackets	No	1		
(xi)	Air-conditioning units with 2,2 kW minimum capacity, mounted and with own power connection	No	1		
1400	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1400	
ITEM NO	DESCRIPTION		UNIT	QUANTITY	RATE	AMOUNT
	<b>Brought forward</b>					
<b>B14.03</b> (cont)	(a)	(xiv) General-purpose steel cupboards with shelves	No	2		
		(xvi) Refrigerators	No	1		
		(xvii) Bookcases	No	3		
		(xviii) Voltage stabilizers	No	1		
		(xix) Steel plan cabinets	No	1		
		(xx) Floodlights complete with poles and minimum 500 watt globes	No	3		
	(b)	Prime-cost items and items paid for in a lump sum:				
	(ix)	Provision of cellphones complete with car kits fitted to vehicles as directed, including all fees and the cost of phone calls in connection with the administration of the Contract	PC Sum	1	10 000.00	R 10 000.00
	(x)	Handling costs and profit in respect of subitem B14.03(b)(ix) above	%	10 000.00		
<b>14.04</b>	<b>Car ports</b>		No	3		
<b>14.08</b>	<b>Services:</b>					
	(a)	Services at offices and laboratories:				
	(i)	Fixed costs	Lump Sum	1		
	(ii)	Running costs	month	12		
<b>14.10</b>	<b>Provision of photostat facilities</b>		month	12		
<b>B14.12</b>	<b>Supply of computer hardware and software:</b>					
	(a)	Allow amount for A3/A4 table top toner laser,colour printer with scan and 18 months supply of toner	PC Sum	1	R 65 000.00	65 000.00
	(b)	Allow for laptop, as specified by the Engineer	PC Sum	1	R 45 000.00	45 000.00
	(c)	Handling cost and profit in respect of subitem B14.12(a)	%	110 000.00		
<b>1400</b>	<b>TOTAL CARRIED TO SUMMARY</b>					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1500
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>ACCOMMODATION OF TRAFFIC</b>				
<b>B15.01</b>	<b>Accommodating traffic and maintaining temporary deviations</b>	km	4.16		
<b>15.02</b>	<b>(b) Earthworks for temporary deviations:</b>				
	(i) Shaping of temporary deviations	km	4.16		
	(ii) Cut and borrow to fill	m <sup>3</sup>	90		
	(ii) Cut to spoil	m <sup>3</sup>	90		
	<b>(e) Access to Properties</b>	Sum	1		
	<b>(i) Traffic Safety Officer</b>	Month	12		
<b>15.03</b>	<b>Temporary Traffic-Control facilities:</b>				
	(a) Flagmen	man-day	176		
	(b) Portable STOP and GO-RY signs	No	8		
	(d) Amber flicker lights	No	4		
	(e) Road signs, R- and TR-series, 900mm in diameter	No	7		
	(f) Road signs, TW-series, 900mm sides	No	7		
	(g) Rectangular road signs, TGS-, TIN- and TW-series (excluding TW-series delineators and barricades)	m <sup>2</sup>			Rate only
	(h) Delineators TW401/TW402 (250 mm x 1 000 mm sides):				
	(i) Single sided	No	10		
	(ii) Double sided	No	10		
	(j) Traffic Cones (750mm)	No	20		
<b>15.04</b>	<b>Relocation of traffic-control facilities</b>	Sum	1		
1500	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1500
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Brought forward</b>				
<b>B15.05</b>	<b>Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:</b>				
(a)	Temporary deviations	m <sup>3</sup>	450		
(b)	Existing gravel shoulders	m <sup>3</sup>			Rate only
<b>15.06</b>	<b>Watering of temporary deviations</b>	kilolitre	100		
<b>15.07</b>	<b>Blading by road grader of:</b>				
(a)	Temporary deviations	km-pass	4.16		
(b)	Existing roads used as temporary deviations	km-pass			Rate only
(c)	Existing gravel shoulders used as temporary deviations	km-pass			Rate only
<b>B15.10</b>	<b>Accommodation of traffic where the road is constructed in half-widths</b>	km	4.16		
<b>15.13</b>	<b>In situ preparation and compaction of existing gravel shoulders to 93% of modified AASHTO density</b>	m <sup>3</sup>			Rate only
<b>B15.14</b>	<b>Provision of traffic safety equipment for use by the engineer:</b>				
(a)	Emergency rotating mini lightbar for mobile use	No	2		
(b)	'Construction' sticker for vehicles with 100 mm high lettering	No	2		
1500	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 1500	
ITEM NO	DESCRIPTION		UNIT	QUANTITY	RATE	AMOUNT
	Brought forward					
<b>B15.19</b>	<b>Damaged temporary road signs and delineators:</b>					
	(a) Repair:					
	(i)	Cost	Prov Sum	1	R 10 000.00	R 10 000.00
	(ii)	Handling cost and profit in respect of subitem B15.19(a)(i) above	%	R 10 000.00		
	(b) Replacement:					
	(i)	Cost	Prov Sum	1	R 10 000.00	R 10 000.00
	(ii)	Handling cost and profit in respect of subitem B15.19(b)(i) above	%	R 10 000.00		
<b>1500</b>	<b>TOTAL CARRIED TO SUMMARY</b>					





SCHEDULE A : ROAD CONSTRUCTION

SECTION 1700

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	<b>CLEARING AND GRUBBING</b>				
B17.01	Clearing and grubbing	ha	3		
17.02	<b>Removal and grubbing of large trees and tree stumps:</b>				
	(a) Girth exceeding 1 m up to and including 2 m	No	5		
	(b) Girth exceeding 2 m up to and including 3 m	No	5		
17.03	<b>Reclearing of surfaces (on the written instructions of the engineer only)</b>	ha			Rate only
17.04	<b>Clearing and grubbing at inlets and outlets of hydraulic structures</b>	m <sup>2</sup>			Rate only
17.05	<b>Cleaning out of hydraulic structures:</b>				
	(a) Pipes with an internal diameter up to and including 750 mm	m <sup>3</sup>			Rate only
	(c) Box culverts up to and including 1,5 m vertical dimension	m <sup>3</sup>			Rate only
B17.09	<b>Demolition, removal and disposal off site of miscellaneous structures consisting of:</b>				
	(a) Unreinforced concrete	m <sup>3</sup>	10		
	(b) Reinforced concrete	m <sup>3</sup>	5		
1700	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION B1800
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>B1800</b>	<b>DAYWORKS</b>				
<b>B18.01</b>	<b>Personnel during normal working hours:</b>				
	(a) Unskilled labour	hour	5		
	(b) Semi-skilled labour	hour	5		
	(c) Skilled labour	hour	5		
	(d) Ganger	hour	5		
	(e) Flagmen	hour	5		
<b>B18.02</b>	<b>Personnel outside normal working hours:</b>				
	(a) Outside normal working hours and on Saturdays:				
	(i) Unskilled labour	hour	10		
	(ii) Semi-skilled labour	hour	10		
	(iii) Skilled labour	hour	10		
	(iv) Ganger	hour	10		
	(v) Flagmen	hour	10		
	(b) Sundays and public holidays:				
	(i) Unskilled labour	hour	10		
	(ii) Semi-skilled labour	hour	10		
	(iii) Skilled labour	hour	10		
	(iv) Ganger	hour	10		
	(v) Flagmen	hour	10		
<b>B1800</b>	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION B1800	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
	<b>Brought forward</b>					
<b>B18.03</b>	<b>Equipment/Plant:</b>					
(a)	Tipper truck 6 m <sup>3</sup>	hour	10.00			
(b)	T.L.B (55kW)	hour	10.00			
(c)	Grader: 140 G or Similar	hour	10.00			
(d)	Excavator (25 TON)	hour	10.00			
(e)	Front-end loader	hour	10.00			
(f)	Vibrating pedestrian roller	hour	10.00			
(g)	Vibrator Roller	hour	10.00			
(h)	Dozer (D7 or Similar)	hour	10.00			
(i)	1,25 m <sup>3</sup> Loader	hour	10.00			
(j)	Pneumatic Tyre Roller (60kW, 20tonne)	hour	10.00			
(k)	Grid Roller (13 tonne)	hour	10.00			
(l)	Jack Hammer	hour	10.00			
<b>B18.04</b>	<b>Materials:</b>					
(a)	Procurement of materials	Prov Sum	1	R 25 000.00	R 25 000.00	
(b)	Contractor's handling costs, profit and all other charges in respect of subitem B18.04(a)	%		R 25 000.00		
<b>B18.05</b>	<b>Transport:</b>					
(a)	LDV	km	2			
(b)	Flatbed truck	km	100			
<b>B1800</b>	<b>TOTAL CARRIED TO SUMMARY</b>					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2100
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>2100</b>	<b>DRAINS</b>				
<b>21.01 LI</b>	<b>Excavation for open drains</b>				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1,5 m	m <sup>3</sup>	1450		
	(2) 1.5 m up to 3.0 m	m <sup>3</sup>	870		
	(b) Extra over sub item 21.01 (a) for excavation in hard material, irrespective of depth	m <sup>3</sup>	435		
<b>21.02 LI</b>	<b>Clearing and shaping existing open drains</b>	m <sup>3</sup>	200		
<b>21.03</b>	<b>Excavation for subsoil drainage systems</b>				
	(a) Excavating soft material situated within the following depth ranges below surface level:				
	(i) 0 m up to 1,5m	m <sup>3</sup>	405		
	(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m <sup>3</sup>	202.5		
<b>21.04</b>	<b>Impermeable backfilling to subsoil drainage systems</b>	m <sup>3</sup>	121.5		
<b>21.06</b>	<b>Natural permeable material in subsoil drainage systems (crushed stone)</b>				
	(b) Crushed stone obtained from commercial sources	m <sup>3</sup>	270		
<b>21.07</b>	<b>Natural permeable material in subsoil drainage systems (Sand)</b>				
	(b) Sand from commercial sources	m <sup>3</sup>	200		
<b>21.08</b>	<b>(b) Unplasticised PVC pipes and fittings, normal duty complete with couplings</b>				
	(1) Perforated				
	(i) 160mm dia.	m	450		
<b>21.10</b>	<b>Synthetic fibre filter fabric</b>				
	(i) Grade 2 Geo-textile Membrane	m <sup>2</sup>	270		
<b>21.12</b>	<b>Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil</b>				
	(a) Outlet structures				
<b>21.13-LI</b>	Concrete caps for subsoil drain pipes	No.			Rate only
<b>21.15</b>	Overhaul for material hauled in excess of 1.0km free haul (normal overhaul)	m <sup>3</sup> /km			Rate only
<b>21.17</b>	Testing flushing of pipe subsoil drains	No	10		
<b>2100</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2200
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>2200</b>	<b><u>PREFABRICATED CULVERTS</u></b>				
<b>22.01</b>	<b>Excavation:</b>				
(a)	Excavating soft material situated within the following depth ranges below the surface level:				
(i)	0 m up to 1,5 m	m <sup>3</sup>	848.1		
(ii)	Exceeding 1,5 m and up to 3,0 m	m <sup>3</sup>	327.8		
(iii)	Exceeding 3,0 m and up to 4,5 m	m <sup>3</sup>	50		
(b)	Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m <sup>3</sup>	245.18		
<b>B22.02</b>	<b>Backfilling:</b>				
(a)	Using the excavated material	m <sup>3</sup>	24		
(b)	Using imported selected material	m <sup>3</sup>	240		
(c)	Extra over subitems B22.02(a) and (b) for soil cement (soilcrete) backfilling containing 8% cement	m <sup>3</sup>	79.2		
2200	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2200	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
	Brought forward					
<b>B22.03</b>	<b>Concrete Pipe Culverts:</b>					
	(b) On Class B bedding:					
	(i) Type SC 100D-load pipes with ogee joints:					
	(1) 450mm dia	m			Rate only	
	(2) 600mm dia	m	288			
	(3) 675mm dia	m			Rate only	
	(4) 750mm dia	m			Rate only	
	(5) 900mm dia	m	132			
	(6) 1200mm dia	m	50			
<b>22.05</b>	<b>Portal and rectangular culverts:</b>					
	(a) Complete with prefabricated floor slabs:					
	(i) 600mm x 450mm	m			Rate only	
	(ii) 1500mm x 1500mm	m			Rate only	
<b>22.07</b>	<b>Cast in situ concrete and formwork:</b>					
	(b) In floor slabs for portal or rectangular culverts, including formwork, joints and class U2 surface finish:					
	(i) Class 25/19 concrete	m <sup>3</sup>			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 concrete	m <sup>3</sup>			Rate only	
	(ii) Class 30/19 concrete	m <sup>3</sup>			Rate only	
	(d) Formwork of concrete under subitem 22.07(c) above:					
	(i) Class F1 surface finish	m <sup>2</sup>			Rate only	
	(ii) Class F2 surface finish	m <sup>2</sup>			Rate only	
2200	Carried forward					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2200
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Brought forward</b>				
22.08	<b>Concrete backfill for culverts, class 25/19 concrete</b>	m³			Rate only
22.10	<b>Steel reinforcement:</b>				
(a)	Mild steel bars	t			Rate only
(b)	High-tensile steel bars	t			Rate only
(c)	Welded steel fabric	kg			Rate only
22.11	<b>Dowels for joining old and new concrete</b>	kg			Rate only
22.12	<b>Removing existing concrete:</b>				
(a)	existing concrete pipes	m³	100		
(b)	existing wing wall structures & inlets	m³	30		
22.17	<b>Manholes, catchpits, precast inlet and outlet structures complete:</b>				
(a)	Manholes:  Manholes, complete with heavy duty concrete/polymer cover lids and frames, steps etc as per typical details, including waterproofing				
	(1) 0 to 1.5m deep	No	5		
	(2) Exceeding 1.5m and up to 3.0m deep	No	15		
	(3) Exceeding 3m and up to 4.5m deep	No	5		
(b)	Inlet and outlet structures, including waterproofing				
	(i) Kerb inlet - Upstream Transition Length of 2m complete, including transitions, cover slabs, etc as per typical detail drawing	No	2		
	(ii) Kerb inlet - Upstream Transition Length of 3m complete, including transitions, cover slabs, etc as per typical detail drawing	No	3		
	(iii) Low point kerb inlet with both transition lengths of 2m complete, including transitions, cover slabs, etc as per typical detail drawing	No	4		
	(iv) Field inlets as per typical detail drawing	No	4		
(c)	Extra over or less subitem 22.17(a) and (c) for variations in the depths of manholes from the standard depth designated (1.75m depth) up to 2.4m				
	(i) kerb inlet manholes	No	9		
	(ii) field inlet manholes	No	4		
2200	<b>Carried forward</b>				



**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 2200**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
<b>22.18</b>	<b>Brickwork (type NFX bricks):</b>				
(a)	115 mm thick	m <sup>2</sup>			Rate only
(b)	230 mm thick	m <sup>2</sup>			Rate only
<b>22.19</b>	<b>Plaster</b>	m <sup>2</sup>	100		
<b>22.20</b>	<b>Benching</b>	m <sup>2</sup>	100		
<b>22.21</b>	<b>Accessories:</b>				
(a)	Manhole covers including frames:				
(i)	SABS 558 type 2	No	13		
(e)	Prefabricated reinforced class 20/19 concrete cover slabs, 760 mm x 760 mm x 90 mm, complete as shown on the drawings including horizontal and vertical steel supports	No	10		
(f)	Prefabricated reinforced class 25/19 concrete cover slabs, 940 mm x 1000 mm x 150 mm, complete as shown on the drawings	No	10		
<b>22.23</b>	<b>Service ducts:</b>				
(a)	Ordinary pipes:				
(i)	150 mm internal dia pitch-fibre pipes	m			Rate only
(ii)	160mm dia uPVC, Class 34 on Class C bedding	m			Rate only
(b)	Split pipes:				
(i)	150 mm internal dia PVC pipes	m			Rate only
(ii)	160mm dia uPVC, Class 34 on Class C bedding	m			Rate only
2200	Carried forward				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2200
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
<b>22.24</b>	<b>Duct marker blocks:</b>				
(a)	300 mm x 300 mm x 100 mm class 20/19 concrete as shown on the drawings	No			Rate only
(b)	150 mm x 150 mm x 150 mm class 20/19 concrete as shown on the drawings	No			Rate only
<b>22.25</b>	<b>Overhaul on excavated material carted to spoil, backfill material (but excluding Portland cement in the case of soil cement), 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</b>	m <sup>3</sup> -km	240		
<b>B22.26</b>	<b>Hand excavation:</b>				
(a)	To determine the positions of existing services:				
(i)	In roads	m <sup>3</sup>	300		
(ii)	In all other areas	m <sup>3</sup>	50		
(b)	To expose existing services to 0,6 m on either side of the service	m <sup>3</sup>			Rate only
<b>22.27</b>	<b>Reinstating trenches crossing roads:</b>				
(a)	Selected layers	m <sup>2</sup>			Rate only
(b)	Subbase	m <sup>2</sup>			Rate only
(c)	Base (including prime coat)	m <sup>2</sup>			Rate only
(d)	Bituminous surfacing . . . . . including tack coat	m <sup>2</sup>			Rate only
(e)	Kerbing	m			Rate only
(f)	Block Paving	m <sup>2</sup>			Rate only
(g)	Concrete Paving	m <sup>2</sup>			Rate only
<b>2200</b>	<b>Carried forward</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2200
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
B22.29	Waterproofing of prefabricated culvert joints with a 500 mm wide strip of Bituthene 3000 or an approved equivalent material	m			Rate only
B22.30	Breaking into existing drainage structures and building in pipes of the following diameter:				
	(a) 450mm dia	No			Rate only
	(b) 525mm dia	No			Rate only
	(c) 600mm dia	No			Rate only
B22.31	Breaking into existing stormwater pipes of the following sizes to construct new drainage structures:				
	(a) 450mm dia	No			Rate only
	(b) 525mm dia	No			Rate only
	(c) 600mm dia	No			Rate only
2200	TOTAL CARRIED TO SUMMARY				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2300	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
2300	<b>CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</b>					
<b>B23.01</b>	<b>Concrete kerbing, Straight and Curved including Joints, class 25/19 concrete:</b>					
(a)	Prefabricated mountable kerb, SABS 927 fig 8, as shown on the drawings	m	5775.00			
(b)	Prefabricated barrier kerb, SABS 927 fig 3, as shown on the drawings	m	500.00			
(c)	300 mm x 200 mm cast in situ class 20/19 concrete edge beam, as shown on the drawings	m	50.00			
<b>B23.02</b>	<b>Concrete kerbing-channelling combination, Straight and Curved, including Joints, class 25/19 concrete:</b>					
(a)	Prefabricated mountable kerb, SABS 927 fig 8, with 300 mm wide cast in situ concrete channel, class 20/19 as shown on the drawings	m	300.00			
(b)	Prefabricated barrier kerb, SABS 927 fig 3, with 300 mm wide cast in situ concrete channel, class 20/19 as shown on the drawings	m			Rate only	
<b>23.05</b>	<b>Inlet, outlet, transition and similar structures (typical designs):</b>					
(a)	Inlet structures, for chutes down side slopes, class 20/19 concrete, complete as shown on the drawings	No	1.00			
(c)	Combined double kerb inlet and manhole Class 25 concrete	No	1.00			
2300	Carried forward					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Brought forward</b>				
<b>B23.06</b>	<b>Inlet, outlet, transition, ramps and similar structures (measured by components):</b>				
	(a) Concrete:				
	(i) Class 25/19 concrete	m <sup>3</sup>			Rate Only
	(b) Formwork:				
	(i) Class U2 surface finish	m <sup>2</sup>			Rate Only
<b>23.07</b>	<b>Trimming of excavations for concrete-lined open drains:</b>				
	(a) In soft material	m <sup>2</sup>			Rate Only
	(b) In hard material	m <sup>2</sup>			Rate Only
<b>23.08</b>	<b>Concrete lining for open drains:</b>				
	(a) Cast in situ class 25/19 concrete lining (Trapezoidal Channel)	m <sup>3</sup>	795		
	(b) Class U2 surface finish to cast in situ concrete (Trapezoidal Channel)	m <sup>2</sup>	5000		
<b>23.09</b>	<b>Formwork to cast in situ concrete lining for open drains (class F2 surface finish):</b>				
	(a) To sides with formwork on the internal face only	m <sup>2</sup>			Rate Only
	(b) To sides with formwork on both internal and external faces (each face measured)	m <sup>2</sup>	700		
	(c) To ends of slabs	m <sup>2</sup>	300		
<b>2300</b>	<b>Carried forward</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 2300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
23.10	Sealed joints in concrete linings of open drains	m	2545		
23.12	Steel reinforcement:				
	(a) Mild steel bars	t			Rate only
	(b) High-tensile steel bars	t			Rate only
	(c) Welded steel fabric (mesh ref 395)	kg	30600.0		
B23.14	Cutting bituminous surfacing and pavement layers for concrete kerbing, edge beams, channelling or concrete-lined drains:				
	(a) Depth up to 50 mm	m	1500		
	(b) Depth exceeding 50 mm but not exceeding 100 mm	m			Rate only
B23.17	Removing existing kerbing	m			Rate only
2300	TOTAL CARRIED TO SUMMARY				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 3200**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3200	<b><u>SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS</u></b>				
B32.06	<b>Stockpiling of material</b>				
	(a) Existing road layers	m <sup>3</sup>	4 950		
3200	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 3300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3300</b>	<b>MASS EARTHWORKS</b>				
<b>B33.01</b>	<b>Cut and borrow to fill, including all haul:</b>				
	(a) Material in compacted layer thicknesses of 200 mm and less:				
	(i) Compacted to 90% of modified AASHTO density	m <sup>3</sup>			Rate only
	(ii) Compacted to 93% of modified AASHTO density	m <sup>3</sup>	3 301		
	(b) Material in compacted layer thicknesses exceeding 200 mm:				
	(i) Compacted to 90% of modified AASHTO density	m <sup>3</sup>			Rate only
	(ii) Compacted to 93% of modified AASHTO density	m <sup>3</sup>			Rate only
	(g) Coarse fill (so-called pioneer/rock fill as specified in subclause B3307(k)) compacted to 90% of modified AASHTO density	m <sup>3</sup>	1 650		
<b>B33.04</b>	<b>Cut to spoil, including all haul. Material obtained from:</b>				
	(a) Soft excavation	m <sup>3</sup>			Rate only
	(c) Hard excavation	m <sup>3</sup>	1297		
<b>B33.07</b>	<b>Removal of unsuitable material, including all haul:</b>				
	(a) In layer thicknesses of 200 mm and less:				
	(i) Stable material	m <sup>3</sup>			Rate only
	(ii) Unstable material	m <sup>3</sup>	5600		
<b>B33.07</b>	(b) In layer thicknesses exceeding 200 mm:				
	(i) Stable material	m <sup>3</sup>			Rate only
	(ii) Unstable material	m <sup>3</sup>			Rate only
<b>3300</b>	<b>Carried forward</b>				



SCHEDULE A : ROAD CONSTRUCTION					SECTION 3300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
<b>B33.09</b>	<b>Material temporarily removed and placed in a windrow</b>	m <sup>3</sup>			Rate only
<b>33.10</b>	<b>Roadbed preparation and the compaction of material:</b>				
(a)	Compaction to 90% of modified AASHTO density	m <sup>3</sup>			Rate only
(b)	Compaction to 93% of modified AASHTO density	m <sup>3</sup>	4 332		
<b>33.12</b>	<b>In situ treatment of roadbed:</b>				
(a)	In situ treatment by ripping	m <sup>3</sup>			Rate only
(b)	In situ treatment by blasting	m <sup>3</sup>			Rate only
©	In situ treatment with road-lime	m <sup>3</sup>			Rate only
<b>3300</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 3400	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>3400</b>	<b><u>PAVEMENT LAYERS OF GRAVEL MATERIAL</u></b>					
<b>34.01</b>	<b>Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 1,0 km:</b>					
	(a) Gravel selected (G7) layer compacted to:					
	(i) 93% of modified AASHTO density for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
	(ii) 95% of modified AASHTO density for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
	(g) Gravel shoulders compacted to:					
	(i) 93% of modified AASHTO density for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
	(ii) 95% of modified AASHTO density for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
<b>34.02</b>	<b>Extra over item 34.01 for excavation of material in:</b>					
	(b) Hard excavation	m <sup>3</sup>			Rate only	
<b>B34.03</b>	<b>Pavement layers constructed from gravel obtained from existing pavement layers:</b>					
	(a) Gravel selected layer compacted to 93% of modified AASHTO density, using:					
	(i) Non-cemented material for a compacted layer thickness of 150mm	m <sup>3</sup>	4332			
	(ii) Cemented material for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
	(l) Gravel shoulder wearing course compacted to 93% of modified AASHTO density, using:					
	(i) Non-cemented material for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
	(ii) Cemented material for a compacted layer thickness of 150mm	m <sup>3</sup>			Rate only	
3400	Carried forward					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 3400	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
	Brought forward					
<b>B34.01</b>	<b>Pavement layers constructed from gravel obtained from commercial sources or approved sources provided by the contractor, including all haul:</b>					
	(a) Gravel selected layer from G6 material compacted to:					
	(i) 93% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	4 332			
	(ii) 95% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>				Rate only
	(b) Gravel subbase from G6 material (unstabilised gravel) compacted to:					
	(i) 95% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	4 332			
	(ii) 97% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>				Rate only
	(c) Gravel base from G4 material (unstabilised gravel) compacted to:					
	(i) 98% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>				Rate only
	(ii) 100% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>				Rate only
	(e) Gravel base from G5 material chemically stabilized to C3 and compacted to:					
	(i) 97% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>				Rate only
	(ii) 98% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	4 332			
<b>3400</b>	<b>TOTAL CARRIED TO SUMMARY</b>					

SCHEDULE A : ROAD CONSTRUCTION					SECTION 3500
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3500</b>	<b>STABILIZATION</b>				
<b>B35.01</b>	<b>Chemical stabilization extra over unstabilized compacted layers:</b>				
(c)	Gravel subbase, 150mm thick	m <sup>3</sup>			Rate only
(d)	Gravel base, 150mm thick	m <sup>3</sup>	4 332		
<b>B35.02</b>	<b>Chemical stabilizing agent:</b>				
(a)	Ordinary Portland cement	t	233.99		
(b)	Portland blast-furnace cement	t			Rate only
(c)	Road lime, calcium / magnesium / dolomitic type	t			Rate only
<b>35.04</b>	<b>Provision and application of water for curing</b>	kilolitre	77.84		
<b>35.05</b>	<b>Curing by covering with the subsequent layer</b>	m <sup>2</sup>			Rate only
<b>3500</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 3600**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3600	<b>CRUSHED STONE BASE</b>				
36.01	<b>Crushed-stone base</b>				
	(a) Constructed from type G2 material obtained from commercial sources and compacted to 88% of apparent density				
	(1) 37mm nominal maximum size stone	m <sup>3</sup>			Rate only
	NB: The Contractor must consider Table 3602/1 (Crushed Stone Base and Subbase: material requirement - COLTO				
3600	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION					SECTION 4100
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4100	<b>PRIME COAT</b>				
41.01	<b>Prime coat:</b>				
	(a) RTH 3/12P or RTL 3/12P tar prime	litre			Rate only
	(b) Quick drying RTH 1/4P tar prime	litre			Rate only
	(c) MC-30 cut-back bitumen prime @ 0,8 l/m <sup>2</sup>	litre			Rate only
	(d) MC-70 cut-back bitumen	litre			Rate only
41.02	<b>Aggregate for blinding</b>	m <sup>2</sup>			Rate only
41.03	<b>Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment</b>	litre			Rate only
4100	<b>TOTAL CARRIED TO SUMMARY</b>				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 4200**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200	<b>ASPHALT BASE AND SURFACING</b>				
B42.02	<b>Asphalt surfacing 30mm thick using 60/70 penetration-grade bitumen:</b>				
	(a) Continuously graded, medium grade 30mm thick	m <sup>2</sup>			Rate only
42.04	<b>Tack coat of 30% stable-grade emulsion</b>	litre			Rate only
B42.08	<b>100 mm cores in asphalt paving</b>	No			Rate only
4200	<b>TOTAL CARRIED TO SUMMARY</b>				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 5600**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5600	<b>ROAD SIGNS</b>				
56.01	<b>Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or Class I retro-reflective material, where the sign board is constructed from:</b>  (a) Aluminium sheet (2,0 mm thick): (i) Area not exceeding 2 m <sup>2</sup> (ii) Area exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	m <sup>2</sup>	16		Rate only
56.02	<b>Extra over item 56.01 for using:</b>  (a) Background of retro-reflective material: (i) Class I (ii) Class II (iii) Class III  (b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material: (i) Class II (ii) Class III	m <sup>2</sup>	16		Rate only
56.03	<b>Road sign supports (overhead road sign structures excluded):</b>  (a) Steel tubing - 2 mm thick 50 to 100 mm dia. (b) Timber, 150 mm dia Creosote treated	t	0.45		Rate only
56.05	<b>Excavation and backfilling for road sign supports (not applicable to kilometre posts)</b>	m <sup>3</sup>	5		
56.06	<b>Extra over item 56.05 for cement-treated soil backfill</b>	m <sup>3</sup>	26		
5600	Carried forward				



SCHEDULE A : ROAD CONSTRUCTION					SECTION 5600
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
56.07	Extra over item 56.05 for rock excavation	m <sup>3</sup>	52		
56.08	Dismantling, storing and re-erecting road signs with a surface area of:				
	(a) Up to 2 m <sup>2</sup>	No			Rate only
	(b) Exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	No			Rate only
56.09	Dismantling and storing road signs with a surface area of:				
	(a) Up to 2 m <sup>2</sup>	No			Rate only
	(b) Exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	No			Rate only
B56.10	Class 15/38 concrete backfill in excavations for road sign footings	m <sup>3</sup>	15		
B56.12	Hazard plates:				
	(a) 600 mm x 600 mm	No			Rate only
	(b) 600 mm x 150 mm	No	25		
	(c) 800 mm x 200 mm	No			Rate only
	(d) 1 200 mm x 300 mm	No			Rate only
B56.13	Temporary covers for road signs	m <sup>2</sup>			Rate only
B56.14	Dismantling and disposal of road signs:				
	(a) Hazard marker signs	No			Rate only
	(b) Single post signs (other R and W signs)	No			Rate only
	(c) Multiple post signs	No			Rate only
	(d) Overhead-mounted road sign boards	No			Rate only
5600	TOTAL CARRIED TO SUMMARY				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 5700**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	<b>ROAD MARKINGS</b>				
57.01	<b>Road-marking paint:</b>				
	(a) White lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km	4.16		
	(iii) 200 mm wide	km			Rate only
	(iv) 300 mm wide	km	0.25		
	(b) Yellow lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km			Rate only
	(c) Red lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km			Rate only
	(d) White lettering and symbols	m <sup>2</sup>	280		
	(e) Yellow lettering and symbols	m <sup>2</sup>			Rate only
	(f) Transverse lines, painted island and arrestor bed markings (any colour)	m <sup>2</sup>			Rate only
	(g) Kerb markings (any colour)	m <sup>2</sup>			Rate only
5700	Carried forward				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 5700**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
<b>57.02</b>	<b>Retro-reflective road-marking paint:</b>				
	(a) White lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km			Rate only
	(iii) 200 mm wide	km			Rate only
	(b) Yellow lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km			Rate only
	(iii) 200 mm wide	km			Rate only
	(c) Red lines (broken or unbroken):				
	(i) 100 mm wide	km			Rate only
	(ii) 150 mm wide	km			Rate only
	(iii) 200 mm wide	km			Rate only
	(d) White lettering and symbols	m <sup>2</sup>			Rate only
	(e) Yellow lettering and symbols	m <sup>2</sup>			Rate only
	(f) Transverse lines, painted island and arrestor bed markings (any colour)	m <sup>2</sup>			Rate only
<b>57.04</b>	<b>Variations in rate of application:</b>				
	(a) White paint	litre			Rate only
	(b) Yellow paint	litre			Rate only
	(c) Red paint	litre			Rate only
	(d) Retro-reflective beads	kg			Rate only
<b>B57.06</b>	<b>Setting out and pre-marking the lines (excluding traffic-island markings, lettering and symbols)</b>	km			Rate only
<b>5700</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

**SCHEDULE A : ROAD CONSTRUCTION**

**SECTION 7300**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7300	<b>CONCRETE BLOCK PAVING FOR ROADS</b>				
73.01	<b>Concrete block paving:</b>				
(a)	80mm thick interlocking paving blocks - Roads (Concrete Class 19/25)	m <sup>2</sup>	27 403		
(b)	60mm thick interlocking paving blocks - Sidewalks (Concrete Class 19/25)	m <sup>2</sup>	4 000		
(c)	25mm Bedding Sand applied underneath brick	m <sup>3</sup>	631		
73.02	<b>Cast in situ concrete edge and intermediate beams (class 25/19)</b>	m <sup>3</sup>	30		
73.03	<b>Provision of approved herbicide and ant poison:</b>				
(a)	Provision of materials	PC Sum	1	R 50 000.00	R 50 000.00
(b)	Contractor's charges and profit added to the prime cost sum	%	50 000.00		
73.05	<b>Construct complete speed hump as per standard drawing, road markings and traffic sign measured</b>	No.	5		
7300	<b>TOTAL CARRIED TO SUMMARY</b>				

SCHEDULE A : ROAD CONSTRUCTION

SECTION 8100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>TESTING MATERIALS AND WORKMANSHIP</b>				
<b>81.02</b>	<b>Other special tests requested by the engineer:</b>				
(a)	Cost of testing	Prov Sum	1	R 80 000.00	R 80 000.00
(b)	Handling cost and profit in respect of subitem B81.02(a) above	%	R 80 000.00		
<b>8100</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

<b>SENQU LOCAL MUNICIPALITY</b>			
<b>REHABILITATION OF ROADS AND STORMWATER IN LADY GREY - WARD 14</b>			
<b>SUMMARY OF SCHEDULE OF QUANTITIES</b>			
<b>SUMMARY OF SCHEDULE A : ROAD CONSTRUCTION</b>			
1200	GENERAL REQUIREMENTS AND PROVISIONS .....	R	
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS .....	R	
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL .....	R	
1500	ACCOMMODATION OF TRAFFIC .....	R	
1600	OVERHAUL .....	R	
1700	CLEARING AND GRUBBING .....	R	
B1800	DAYWORKS .....	R	
2100	DRAINS .....	R	
2200	PREFABRICATED CULVERTS .....	R	
2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS .....	R	
3200	SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS ..	R	
3300	MASS EARTHWORKS .....	R	
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL .....	R	
3500	STABILIZATION .....	R	
3600	CRUSHED STONE BASE .....	R	
4100	PRIME COAT .....	R	
4200	ASPHALT BASE AND SURFACING .....	R	
5600	ROAD SIGNS .....	R	
5700	ROAD MARKINGS .....	R	
7300	CONCRETE BLOCK PAVING FOR ROADS .....	R	
8100	TESTING MATERIALS AND WORKMANSHIP .....	R	
<b>TOTAL SCHEDULE A : ROAD CONSTRUCTION: CARRIED TO CALCULATION OF TENDER SUM</b>		<b>R</b>	



SENQU LOCAL MUNICIPALITY



REHABILITATION OF ROADS AND STORMWATER IN LADY GREY - WARD 14

TOTALS BROUGHT FORWARD FROM SUMMARY OF SCHEDULE OF QUANTITIES

**SCHEDULE A : ROAD CONSTRUCTION**

**TOTAL OF SCHEDULE OF QUANTITIES (EXCL. VAT)**

CONTINGENCIES @ 10%

10%

**SUBTOTAL 1** .....

CONTRACT PRICE ADJUSTMENT @ 5%

5%

**SUBTOTAL 2** .....

VAT (15% of Subtotal 2)

15%

**TOTAL (CONSTRUCTION COST)** .....

**SCHEDULE 8: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

This declaration is based on and replaces Municipal Bid Document 6.2 (MBD 6.2).

The amendments made to the MBD 6.2 document have been necessary to clarify this standard document as it relates to local production and content in the designated sector.

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017 and the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

Documents listed herein are downloadable from the dtic's official website, <http://www.thedtic.gov.za/sectors-and-services-2/industrial-development/industrial-procurement/>

**This schedule must be completed by tenderers and returned with their tender at the closing date and time for this tender.**

**1. General Conditions**

- 1.1 Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 1.2 Regulation 8(2) prescribes that in the case of designated sectors, organs of state must advertise such bids with the specific bidding condition that only locally produced goods with a stipulated minimum threshold for local production and content will be considered.
- 1.3 Where necessary, for tenders referred to in paragraph 1.2 above, a two-stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5 The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by SA Reserve Bank at close of business on the date of advertisement of the bid as required in paragraph 4.1 below.

NOTE: The SABS approved technical specification number SATS 1286:2011 is accessible on <http://www.thedtic.gov.za/sectors-and-services-2/industrial-development/industrial-procurement/> at no cost.

- 1.6 A bid may be disqualified/declared non-responsive if this Declaration Certificate and Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation.



**2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
<b>Textile, Clothing, Leather and Footwear</b>	<b>100%</b>
<b>Steel Value-added Products</b>	<b>100%</b>
<b>Cement Products</b>	<b>100%</b>
<b>Plastic Pipes</b>	<b>100%</b>

**3. Does any portion of the services, works or goods offered for Items as detailed in Annexure C have any imported content?**

**(Tick applicable box)**

<b>YES</b>		<b>NO</b>	
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**3.1** If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the above General Conditions must be the rate(s) published by SA Reserve Bank at close of business on the date of advertisement of the bid.

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

<b>Currency</b>	<b>Rates of exchange</b>
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Suppliers must submit proof of the SA Reserve Bank rate(s) of exchange used.

**4.** Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the SM provide directives in this regard.

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID NO. 32/2023-2024T**.....

**ISSUED BY:** (Procurement Authority / Name of Municipality / Municipal Entity):  
.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thedtic.gov.za/sectors-and-services-2/industrial-development/industrial-procurement/>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
  - (i) the goods to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011;
- (c) The local content percentages (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C;

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 2 above)	
Local content %, as calculated in terms of SATS 1286:2011	

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.**

- (d) I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

WITNESS No. 1 \_\_\_\_\_ DATE: \_\_\_\_\_

WITNESS No. 2 \_\_\_\_\_ DATE: \_\_\_\_\_

Annex C

**Local Content Declaration - Summary Schedule**

(C1)	Tender No.	32/2023-2024T		
(C2)	Tender description:	Rehabilitation of Roads & Stormwater in Lady Grey Ward 14		
(C3)	Designated product(s)			
(C4)	Tender Authority:	Senqu Municipality		
(C5)	Tendering Entity name:			
(C6)	Tender Exchange Rate:	Pula		EU
(C7)	Specified local content %			GBP

Note: VAT to be excluded from all calculations

**Calculation of local content**

Tender item no's	List of items	Tender price per UoM (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
21.10	Synthetic fibre filter fabric						
21.08	Unplasticised PVC pipes and fittings						

**Tender summary**

Anticipated Annual Tender Qty (m)	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

Bid No 32/2023-2024T  
Rehabilitation of Roads & Stormwater in Lady Grey Ward 14

**Calculation of local content**

Tender item no's	List of items	Tender price per UoM (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
B12.03	SABS Approved Heavy Duty Personal Protective Equipment (PPE)						
B21.20-LI	Galvanized wire mesh						
23.12	Steel reinforcement:						
B35.02	Ordinary Portland cement						
56.03 (a)	Steel tubing						

**Tender summary**

Anticipated Annual Tender Qty (m)	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

(C20) Total tender value	R	
(C21) Total Exempt imported content	R	
(C22) Total Tender value net of exempt imported content	R	
(C23) Total Imported content		R
(C24) Total local content		R
(C25) Average local content % of tender		

**Signature of tenderer from Annex B**

Date: \_\_\_\_\_