

## SECTION 1200

## Part C2: Pricing Data

### Section C2.2: Bill of Quantities

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADE OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1300**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>1300</b>	<b>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</b>				
B13.01	Contractor's general obligations				
	(a) Fixed obligations	Lump Sum	1		
	(b) Value-related obligations	Lump Sum	1		
	(c) Time-related obligations	Month	8		
	The Combined total tendered for items 13.01(a) to (c) shall not exceed 15% of the total tendered sum, excluding VAT				
B 13.02	Contract signboard/s	No	2		
B13.03	Health and Safety				
	(a) Fixed obligations for the preparation of risk assessments, safe work procedures, the project H & S file, the H&S plan and any other H & S matters that the Contractor deems necessary	Lump Sum	1		
	(b) Fixed obligations for completing and checking the Project H & S file and handing it over to the Client on completion of the Works	Lump Sum	1		
	(c)Time related obligations for updating and amending the risk assessments, the safe work procedures, the project H & S file, the H&S plan and for full compliance with all H & S matters during the construction of the Works under the contract	month	8		-
B 1304	Requirements of the Extended Public Work Programme				
	Labourers safety clothing obligations	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1400**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>1400</b>	<b>HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL</b>				
14,01	Office and laboratory accommodation				
	(a) Offices (interior floor space only)	m²	50		
	(e) Ablution units	No	4		
14,02	Office and laboratory furniture				
	(a) Chairs	No	10		
	(b) Draughtsman's stools	No	1		
	(d) Desks, complete with drawers and locks	No	2		
	(e) Drawing tables	No	2		
	(f) Conference tables	No	1		
14,03	Office and laboratory fittings Installations and equipment				
	(a) Items measured by number				
	(i) 220/250 volt power points	No	3		
	(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		
	(v) Single incandescent light fittings complete with 100 watt globes	No	2		
	(vi) Hand wash 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	5		
	(xi) Air conditioning units with 2,2 kW minimum capacity, mounted and with own power connection	No	1		
	(xiv) General-purpose steel cupboards with shelves	No	2		
	(xv) Steel filing cabinets with drawers	No	2		
TOTAL CARRIED FORWARD					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1400**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT FORWARD					
B14.03 b (i)	(xvi) Refrigerators	No	2		Rate Only
	(xvii) Bookcases	No	2		Rate Only
	(xix) Steel plan cabinets	No	2		
	1. Provision of cellular telephones	No	2		
	2. Provisional sum for the costs of cellular calls and other charges	Prov Sum	1		8 000,00
	3 Handling costs and profit in respect of subsubitem B14.03(b)(ii) above	%	8 000,00		
14,04	Car ports				
	(a) Car ports, as specified, at offices and laboratory buildings	No	2		
14,07	Rented, hotel and other accomodation:				
	(a) Provisional sum for providing rented housing, hotel or other accomodation as described in subclause 1403 ( c ) (ii)	Prov Sum			40 000,00
	(b) Handling costs and profit in respect of sub item 14.07 (a)	%	40000,00		
14,08	Services				
	(a) Services at office and laboratories				
	(i) Fixed costs	Lump Sum	1		
	(ii) Running costs	Month	8		
14,10	Provision of photostat facilities	Month	8		
B14.11	Provision and erection of security fencing ( including gate)	m	400		
	Other Professional services required	Lump Sum	1	450000	450 000,00
	(a) Handling costs and profit in respect of sub item	%	450000,00		
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1500**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>1500</b>	<b>ACCOMODATION OF TRAFFIC</b>				
15.01	Accommodating traffic and maintaining temporary deviations on:	km	1,8		
15.02	Earthworks for temporary deviations				
	(a) shaping of temporary deviations	km	1,8		
	(b) cut and borrow to fill	m3	10		
	( c) cut to spoil	m3	10		
15.03	Temporary traffic-control facilities				
	(a) Flagmen	man-day	352		
	(e) Road signs, R- and TR-series, (1200mm dia.)	No	10		
	(f) Road signs, TW-series, (1500mm)	No	10		
	(g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delineators and barricades)	m²	40		
	(h) Delineators (DTG50J) (TW401 and TW402) (200 wide x 800 long):				
	(i) Single	No	20		
	(ii) Mounted back to back	No	20		
	(i) Moveable barricade/road sign combination (Chevron and road closed type)	No	6		
	(j) Traffic cones (750mm)	No	40		
	(m) Two-way communication devices	No	2		
B15.03	(n) Provision of high visibility safety jackets and safety hats	No	10		
15.04	Relocation of traffic-control facilities	Lump Sum	1		
15.06	Watering of deviations	Kl	200		
B15.14	Allow provisional sum for:				
	(a) repair damaged temporary road signs and delineators	Prov Sum	1		
	(b) replacement of damaged temporary road signs and delineators	Prov Sum	1		
B15.15	Prime Cost sum for:				
TOTAL CARRIED FORWAD TO SUMMARRY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1600**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>1600</b>	<b>OVERHAUL</b>				
16,01	Overhaul on material hauled in excess of a free haul distance of 0,5km, for a haul up to or through 1,0km (restricted free haul)	m³			Rate only
16,03	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m3-km	77760		
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1700**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>1700</b>	<b>CLEARING AND GRUBBING</b>				
B17.01	Clearing and grubbing				
	(a) Normal areas :				
	i) within road reserve	ha	1,26		
	ii) in borrow pits	ha	1,0		
	b) existing fill embankments with slopes steeper than 1:4	ha	0,5		
17,02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1m up to and including 2m	No	5		Rate Only
	(b) Girth exceeding 2m up to and including 3m	No	5		Rate only
17,05	Cleaning out of hydraulic structures				
	(a) Pipes with an internal diameter up to and including 750 mm	m³	0		Rate Only
	(b) Pipes with an internal diameter exceeding 750 mm	m³	0		Rate Only
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 1800**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>18</b>	<b>DAYWORKS</b>				
B18.01	Labourers				
	(i) Unskilled labour	h	1		Rate Only
	(ii) Semi-skilled labour	h	1		Rate Only
	(iii) Skilled labour	h	1		Rate Only
B 18.02	Foreman	h	1		Rate Only
B 18.03	Tipper Trucks:				
	(i) 3-5 ton	h	1		Rate Only
	(ii) 5,1-10 ton	h	1		Rate Only
B18.04	loader (0,5m3)	h	1		Rate Only
B18.05	Grader (CAT 140G or similar)	h	1		Rate Only
B18.06	LDV	h	1		Rate Only
B 18.07	Compaction Rollers:				
	(i) Vibrator roller	h	1		Rate Only
	(ii) tamping roller	h	1		Rate Only
	ii) Grid roller	h	1		Rate Only
B 18.08	Hand Controlled Compactors				
	i) Pedestrian roller ( Bomag BW90)	h	1		Rate Only
	(ii) vibratory plate	h	1		Rate Only
	(iii) Rammers	h	1		Rate Only
	(k) Backhoe loader (Case 580F or similar)				
B18.09	Water truck ( min 10000l)	h	1		Rate Only
B 18.10	Dozer ( D7 or similar)	h	1		Rate Only
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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 2200**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>2200</b>	<b>PREFABRICATED CULVERTS</b>				
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1.5 m	m³	68		Rate Only
	(ii) Exceeding 1,5 m and up to 3,0 m	m³	30		Rate Only
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m³	120		Rate Only
B22.01	(c) Extra-over sub-item 22.01(a) for excavation by hand	m³	150		Rate Only
22,02	Backfilling:				
	(a) Using the excavated material	m³	50		Rate Only
	(b) Using imported selected material	m³	50		Rate Only
	(c) Extra over subitems 22.02(a) and (b) for soil cement backfilling				
	(ii) with 5% Cement	m³	100		Rate Only
22,03	Concrete pipe culverts:				
	(b) On class B bedding				
	(i) 900mm dia. Class 100D	m	30		Rate Only
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**SCHEDULE A: ROAD CONSTRUCTION**

Part C2: Pricing Data

**SECTION 2300**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>2300</b>	<b>CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</b>				
23,01	Concrete kerbing				
	(a) Precast kerbing to SABS 927				
	(i) Figure 8c mountable kerb	m	2100		
23,07	Trimming of excavations for concrete lined open drains				
	(a) in soft material	m2	1200		
	(b) in hard material	m2	140		
23,08	Concrete lining for open drains ( 25/19 Mpa):				
	(a) Cast in situ concrete lining ( 1.2m wide by 100mm deep ) See Detail	m³	210		
	(b) Class U2 surface Finish to cast in situ concrete	m²	1840		
23,09	Form Work To cast in situ concrete lining for open drains( Class F2 surface finish)				
	(a) To sides with formwork on the internal face only	m2	240		
	( c ) to ends of slabs	m2	60		
23,1	Sealed joints in concrete linings of open drains				
	(c) Silicone-based sealant (Dow Corning 888 or similar approved)	m	1200		
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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 2300**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT FORWARD					
23,12	Steel reinforcement				
	(a) mild steel bars	t	0,5		
	© welded steel Fabric ref 395	Kg	5688		
23,13	Polythene sheeting (0.15mm thick) for concrete lined open drains	m2	1584		
B23.14	Concrete drift drain see detail				
	(a) Trimming for the drift	m2	60		
	(b) Polythene sheeting (0.15mm thick) for concrete lined open drains	m2	60		
	© welded steel Fabric ref 395	kg	237		
	(d) Cast in situ concrete ( 25/19Mpa)	m3	9		
	( e) Form work	m2	4,8		
	(f) Class U2 surface Finish to cast in situ concrete	m2	60		
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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3100**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>3100</b>	<b>Borrow Materials</b>				
B31.01	Excess Overburden:				
	(a) Depth up to and including 0,5m	m3	3000		
	(b) Depth exceeding 0,5m and up to 1,0m	m3	2000		
B31.03	<b>Finishing off borrow areas in:</b>				
	(a) hard material	ha	0,5		
	(b) Intermediate material	ha	0,5		
	( c) Soft material	ha	1		
B 31.04	Compensation to land owners				
	(a) Prime cost sum for compesantion to landowners	PC Sum	1	20000	20 000,00
	(b) Handling Cost and profit in respect of sub item B 31.04 (a) above	%	20000		
TOTAL CARRIED FORWARD TO SUMMARY					

<b>3200</b>	Selection, stockpiling and breaking-down the material from borrow pits, cuttings and existing pavement layers , and placing and compacting the gravel layers				
32,04	Removal of oversize pavement material	m3	1000		
TOTAL CARRIED FORWARD TO SUMMARY					C2-12

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3300**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>3300</b>	<b>MASS EARTHWORKS</b>				
33,01	Cut and borrow to fill, including free-haul up to 1,0km				
	(a) Gravel material in compacted layer thickness of 200 mm and less:				
	(i) Compacted to 93% of modified AASHTO density	m³	3220		
	(e) Pioneer layer	m³	840		
33,04	Cut to spoil, including free-haul up to 1,0 km. Material obtained from:				
	(a) Soft excavation	m³	1500		
	(b) Intermediate excavation	m³	2000		
	(c) Hard excavation (Boulder)	m3	61,77		
33,07	Removal of unsuitable material (including free-haul of 1,0 km):				
	(b) In layer thicknesses exceeding 200mm				
	(i) Stable material	m³	840		
33,1	Roadbed preparation and the compaction of material				
	(b) Compaction to 93% of modified AASHTO density	m³	2520		
33,11	Three-roller-passes compaction:				
	(a) Vibratory roller	m²	12600		
	(d) Tamping roller	m²	12600		
33,12	In situ treatment of roadbed:				
	(a) in Situ treatment by ripping	m3	2520		
	(b) In situ treatment by blasting	m³			Rate Only
B33.20	Fill constructed with material obtained from commercial sources including all haul:				
	(a) Gravel material in compacted layer thicknesses of 200 mm and less:				
TOTAL CARRIED FORWARD					

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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3300**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT FORWARD					
	(i) G6 material compacted to 93% of modified AASHTO density	m³	300		
33/B16.02	Overhaul on material hauled in excess of a free-haul distance of 1,0 km	m³km	17944,96		
33,13	finishing off cut and fill slopes, medians and interchange areas:				
	(a) cut slopes	m2	146,88		
	(b) fill slopes	m2	1923,24		
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3400**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>3400</b>	<b>PAVEMENT LAYERS OF GRAVEL MATERIAL</b>				
34.01	Pavement layers constructed from gravel taken from cut or borrow, including free haul up to 1,0 km				
	(a) Gravel lower selected layer compacted to:				
	(ii) 95% of modified AASHTO density (150mm)	m³	2020		
	(ii) Upper selected layer 95 % of modified AASHTO density (150mm)	m³	1920		
	(d) Gravel base (chemically stabilized material) compacted to:				
	(i) 98% of modified AASHTO density (150mm)	m³	1900		
	(ii) 98% of modified AASHTO density (200mm)	m³			Rate Only
	(g) Gravel shoulder compacted to:				
	(ii) 95% of modified AASHTO density (150mm thick)	m³	650		
B34.14	Extra-over item 34.01 for the procuring of gravel material from commercial sources:				
	(a) Lower selected quality material (G7)	m³	1		Rate Only
	(b) Upper selected quality material (G7)	m³	1		Rate Only
	(c) Subbase quality material (G5)	m³	1		Rate Only
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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3500**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>3500</b>	<b>STABILIZATION</b>				
B35.01	Chemical stabilization extra over unstabilized compacted layers				
	(ii) 150mm thickness	m <sup>3</sup>	1920		
B35.02	Chemical stabilizing agent:				
	(a) Common cements to SABS ENV 197-1				
	(i) CEM IIB-M (32,5 N)	t	107		
TOTAL CARRIED FORWARD TO SUMMARY					

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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3600**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>3600</b>	<b>CRUSHED STONE BASE</b>				
36,01	Crushed-stone base  (c) Constructed from type G2 material obtained from commercial sources and compacted to 85% of bulk relative density  (i) 37mm nominal maximum size stone (150mm thickness)	m³	0		Rate
TOTAL CARRIED FORWARD TO SUMMARY					Rate

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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 4100**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>4100</b>	<b>PRIME COAT</b>				
41,01	Prime coat:				
	(c) MC-30 cut-back bitumen	litre	8700		
	(f) Environmentally-friendly water based prime ("Colprime E or similar approved)	litre			Rate
41,02	Aggregate for blinding	m <sup>2</sup>			Rate only
TOTAL CARRIED FORWARD TO SUMMARY					

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GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION**

SECTION 4200

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>4200</b>	<b>ASPHALT BASE AND SURFACING</b>				
42,02	Asphalt surfacing				
	(a) Continuously graded, medium grade using 50/70 penetration grade bitumren:				
	(i) 30 mm thick, normal mixture with conventional binder	m²	10800		
42,08	100 mm cores in asphalt paving	No	15		
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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5100**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
51,01	<b>Stone Pitching</b>				
	(b) Grouted stone pitching	m2	200		
51,03	Stone masonry walls				
	(b) cement-mortared stone walls	m3	200		
51,05	Concrete Edge beams	m3	60		
TOTAL CARRIED FORWARD SUMMARY					

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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5200**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>5200</b>	<b>Gabions</b>				
52,01	<b>Foundation trench excavation and backfilling:</b>				
	(a) in solid rock ( material which requires blasting	m3	5		Rate only
	(b) in all other classes of material	m3	15,2		
52,02	surface preparation for bedding the gabions	m2	76		
52,03	Gabions				
	(a) Galvanized gabion boxes	m3	76		
52,04	Filter Fabric	m2	76		
B 52.06	Gabions Constructed from re usable materials				
	(a)Galvanised gabion boxes				
	(i) 4mx1mx1m	m3	34		
	(ii) 3mx1mx1m	m3	30		
	(iii) 2mx1mx1m	m3	12		
	(b) Galvanised gabion mattresses				
	(i) 0.3m deep	m3	76		
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**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5600**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>5600</b>	<b>ROAD SIGNS</b>				
B56.01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class 1 retro-reflective material, where the sign board is constructed from:  (c) Prepainted galvanized steel plate (chromadek 1,6 mm thick or approved equivalent):  (i) Area not exceeding 2 m <sup>2</sup> (ii) Area exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>  (e) Chromadek sheet regulatory warning and information signs  (i) Octagonal (900mm width) (ii) Triangular (1200mm side) (iii) Round (1200mm diameter) (iv) Rectangular (1200mm x 900mm)	m <sup>2</sup>  m <sup>2</sup>    No No No No	50     25 15 10 2		Rate Only
B56.02	Extra over item 56.01 for using:  (a) Background of retro-reflective material:  (i) Class 1  (b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:  (i) Class 3	m <sup>2</sup>   m <sup>2</sup>			Rate Only   Rate Only
56.03	Road sign supports (overhead road sign structures excluded) CCA treated:  (b) Steel  (i) 100 mm dia. (ii) 125 mm dia. (iii) 150 mm dia.	m m m	200 20		Rate Only
TOTAL CARRIED FORWARD					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-22

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5600**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT FORWARD					
56,05	Excavation and backfilling for road sign supports	m³	10		
56,06	Extra over item 56.05 for cement-treated soil backfill	m³	6		
56,07	Extra over item 56.05 for rock excavation	m³	4		
TOTAL CARRIED FORWARD TO SUMMARY					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-23



**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5700**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>5700</b>	<b>ROAD MARKINGS</b>				
57,02	Retro-reflective road-marking paint to SABS 731 specifications:				
	(a) White lines (broken or unbroken)				
	(i) 100 mm wide	km	1,8		
	(ii) 150 mm wide	km	1,8		
	(iii) 200 mm wide	km			
	(iv) 300 mm wide	km			
	(v) 500 mm wide	km			Rate Only
	(b) Yellow lines (broken or unbroken)				
	(i) 100 mm wide	km	1,8		
	(ii) 150 mm wide	km	1,8		
	(iii) 200 mm wide	km			Rate Only
	(iv) 300 mm wide	km			Rate Only
	(c) Red lines (broken or unbroken)				
	(ii) 150 mm wide	km	1		
	(d) White lettering and symbols	m <sup>2</sup>	80		
	(e) Yellow lettering and symbols	m <sup>2</sup>	80		
	(f) Transverse lines, painted island and arrestor bed markings (any colour)	m <sup>2</sup>	80		
	(g) Kerb markings (any colour)	m <sup>2</sup>			Rate Only
57,04	Variations in rate of application:				
	(a) White paint	litre			Rate Only
	(b) Yellow paint	litre			Rate Only
	(c) Red paint	litre			Rate Only
	(d) Retro-reflective beads	kg			
	(e) Plastic road marking material	litre			Rate Only
TOTAL CARRIED FORWARD TO SUMMARY					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-24

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5700**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
TOTAL BROUGHT FORWARD					
57.06	Setting out and premarking the lines (Excluding traffic-island markings, lettering and symbols)	km	1,8		
57.07	Re-establishing the painting as instructed by the engineer (including during defects notification period)	No	1		
TOTAL CARRIED FORWARD TO SUMMARY					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-25

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 5900**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>5900</b>	<b>FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</b>				
59,01	Finishing the road and road reserve:	km	1,8		
TOTAL CARRIED FORWARD TO SUMMARY					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-26

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 8100**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>8100</b>	<b>TESTING MATERIALS AND WORKMANSHIP</b>				
81,02	Other special tests requested by the engineer	Prov Sum	1	50 000,00	50 000,00
TOTAL CARRIED FORWARD TO SUMMARY					

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-27

**CONTRACT No.LNM016/2022/23**

GA-MATHABATHA (MOLEKE VILLAGE) UPGRADING OF INTERNAL ROAD FROM GRAVEL TO SURFACED PHASE 2

**SCHEDULE A: ROAD CONSTRUCTION****SUMMARY A OF SECTIONS**

SECTION	DESCRIPTION	AMOUNT (RAND)
1200	GENERAL REQUIREMENTS AND PROVISIONS	
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	
1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL	
1500	ACCOMODATION OF TRAFFIC	
1600	OVERHAUL	
1700	CLEARING AND GRUBBING	
1800	DAYWORKS	
2200	PREFABRICATED CULVERTS	
2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS	
3100	BORROW MATERIALS	
3200	SELECTION STOCKPILING AND BREAKING DOWN THE MATERIALS FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS AND PLACING AND COMPACTING GRAVEL LAYERS	
3300	MASS EARTHWORKS	
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	
3500	STABILIZATION	
3600	CRUSHED STONE BASE	
4100	PRIME COAT	
4200	ASPHALT BASE AND SURFACING	
5100	Stone Pitching	
5200	Gabions	
5600	ROAD SIGNS	
5700	ROAD MARKINGS	
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS	
8100	TESTING MATERIALS AND WORKMANSHIP	
<b>SUB-TOTAL</b>		
<b>CONTIGENCIES 5%</b>		
<b>SUB TOTAL</b>		
<b>TOTAL PROJECT COSTS</b>		

Part C2: Pricing Data

Section C2.2: Bill of Quantities

C2-28