

SCHEDULE OF QUANTITIES  
UPGRADING (GRAVEL TO TAR) OF GA-SEMENYA TO METEREKENG ROAD PHASE 2

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	<b><u>GENERAL REQUIREMENTS AND PROVISIONS</u></b>				
B12.01	<b>Excavation</b>  Excavating material within the following depth ranges below ground level for the exposing of/or searching for existing services  (a) 0m to 2m  (i) soft material  (ii) hard material  (b) Extra over item B12.01(a) for excavating by means of hand tools such as picks, crowbars and pneumatic tools or mechanical breakers in close vicinity of services where no machine excavation is permitted  (i) soft material  (ii) hard material				
		m <sup>3</sup>	75		
		m <sup>3</sup>	25		
		m <sup>3</sup>	75		
		m <sup>3</sup>	25		
B12.02	<b>Backfilling</b>  (a) Using the excavated material  (b) Using imported selected material				
		m <sup>3</sup>	75		
		m <sup>3</sup>	25		
B12.03	<b>Relocation of existing services</b>  (a) Provisional Sum for existing services to be relocated and/or protected as ordered by the Engineer  (b) Handling costs and profit in respect of subitem B12.03(a) above				
		Prov Sum			200 000,00
		%	200 000,00	10%	20 000,00
B12.04	<b>Provision for a Community Liaison Officer (CLO)</b>  (i) Provisional sum for the payment of the Community Liaison Officer (R4500.00 All inclusive)  (ii) Contractors's handling costs, profits and all other charges in respect of subitem B12.04(i)				
		Prov Sum			40 500,00
		%	40 500,00	10%	4 050,00
1200	<b>TOTAL CARRIED FORWARD</b>				

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	<b>TOTAL BROUGHT FORWARD</b>				
<b>B12.05</b>	<b>Health and Safety act</b>				
	(a) Health and safety obligations	Month	9		
	(b) Special information signs	-	PC	sum	25 000,00
	(c) Provision of Security guards	-	PC	sum	30 000,00
	(d) Provision of Personal Protective Clothing	Sum	1,00		
	(e) Contractor's handling costs, profit and all other charges in respect of subitem B12.05(b)&(c )	%	55 000,00	10%	5 500,00
<b>B12.06</b>	<b>Name Boards</b>				
	(a) Provision of a standard name board according to the drawings	No	1		
<b>B12.07</b>	<b>Provision for cost of attending Project Steering Committee Meetings</b>				
	(a) Provisional Sum for disbursements towards travelling cost incurred by Project Steering Committee members for attending Steering Committee meetings	Prov Sum			6 000,00
	(b) Contractors's handling costs, profits and all other charges in respect of subitem B12.07 (a)	%	6 000,00	10%	600,00
<b>1200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>PROVISION OF STRUCTURED TRAINING</u></b>				
D12.06	Accredited training :				
	(a) Training	Prov Sum			50 000,00
	(b) Provision of Experiential learning for two (2) students at R 4500/month	Prov Sum			81 000,00
	(c) Charge on Prime Cost Sum for overheads and profits	%	131 000,00	10%	13 100,00
<b>D</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>144 100,00</b>

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300	<b>CONTRACTOR'S ESTABLISHMENT ON SITE</b>				
13,01	The Contractor's General Obligations:				
	(a) Fixed obligations	Sum	1		
	(b) Value-related obligations	Sum	1		
	(c) Time-related obligations	Month	9		
	<u>NB</u> The combined total tendered for subitems				
	(a), (b) and (c) shall not exceed 15% of the				
	Tender Sum. If the Scope of Work is reduced,				
	the total tendered amount for Section 1300				
	would be adjusted accordingly, depending on				
	the value of works that is awarded for the				
	Contract.				
1300	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1400</b>	<b>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</b>				
<b>14.01</b>	<b><u>Office and laboratory accommodation:</u></b>				
	(a) Offices (interior floor space only)	m <sup>2</sup>	50		
	(b) Ablution units	m <sup>2</sup>	8		
	(c) Stores	m <sup>2</sup>	10		
<b>14.02</b>	Office and laboratory furniture:				
	(a) Chairs	No	12		
	(d) Desks, complete with drawers and locks	No	2		
	(d) Conference tables	No	1		
<b>14.03</b>	Office and laboratory fittings, installations and equipment:				
	(a) Items measured by number:				
	(i) 220/250 volt power points	No	6		
	(ii) 400/231 volt 3-phase power points	No	0		
	(iii) Double 80 watt fluorescent-light fittings complete with ballast and tubes	No	3		
	(v) Single incandescent-light fittings complete with 100 watt globes	No	4		
	(vi) Wash-hand basins complete with taps and drains	number	1		
	(x) Fire extinguishers, 9.0 kg all purpose dry powder type, complete, mounted on wall with brackets	No	2		
<b>1400</b>	<b>TOTAL CARRIED FORWARD</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>TOTAL BROUGHT FORWARD</b>				
<b>14,03</b>	(a) (xi) Air-conditioning units with 2,2 kW minimum capacity, mounted and with own power connection	No	2		
	(xiii) Curing chamber for UCS specimen, complete with water connection, including the provision of brick partitions, plaster, paint and shelving all complete according to the drawings	No	1		
	(xv) Steel filing cabinets with drawers	No	1		
	(xvi) Refrigerators	number	1		
	(xvii) Bookcases	number	2		
	(xviii) Voltage stabilizers	number	3		
	-1 Provisional Sum for the costs of cellular calls and other charges	Prov Sum		5 000,00	5 000,00
	-2 Handling cost and profit in respect of sub-item B14.03(b)(ix) (2)	%	5 000	10%	500,00
<b>14,04</b>	Car ports: <b>Car ports, as specified, at offices and laboratory building</b>	No	1		
<b>14,05</b>	Services: (a) Services at offices and laboratories:				
	(i) Fixed costs	L/sum	1		
	(ii) Running costs	month	9		
<b>B14.11</b>	Provision and erection of security fencing (including gate)	m	80,00		
<b>1400</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1500</b>	<b>ACCOMMODATION OF TRAFFIC</b>				
<b>15,01</b>	<b>Accommodating traffic and maintaining temporary deviations</b>	km	2,50		
<b>15,02</b>	<b>Earthworks for temporary deviations:</b>				
	(a) Shaping of temporary deviations	km	2,5		
	(b) Cut and borrow to fill	m <sup>3</sup>	500		
	(c) Cut to spoil	m <sup>3</sup>	500		
<b>15,03</b>	<b>Temporary traffic control facilities</b>				
	(a) Flagmen	man-day	300		
	(b) Portable STOP and GO signs	No	4		
	(c) Temporary traffic-control signals as specified or as shown on the Drawings	number	2		
	(d) Amber flicker lights	number	2		
	(e) Road signs, R- and TR- series (1200 mm dia.)	No	4		
	(f) Roads Signs: TW Series				
	i) 1200mm x 1600mm	No	4		
	ii) 1200mm x 2400mm	No	4		
	(g) Roads Signs: STG, DTG, TGS and TG Series	No	4		
	(h) Delineators (DTG50J)				
	(i) Single	number	15		
	(ii) Mounted back to back	number	10		
	(i) Movable barricade/road sign combination*	number	4		
	(j) Traffic cones (size indicated)	No.	20		
	(m) Two-way communication devices	number	4		
	(n) Provision of high visibility safety jackets and safety hats	No	10		
<b>15,06</b>	<b>Watering Temporary Deviations</b>	kilolitre	1500		
<b>B15.16</b>	Penalty to be deducted for non-compliance with requirements for accommodation of traffic:				
	(a) Fixed penalty per occurrence	No.	-		Rate Only
	(b) Time related penalty	hour	-		Rate Only
<b>1500</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1600	<b><u>OVERHAUL</u></b>				
16.01	Overhaul on material hauled in excess of a free-haul distance of 0,5 km, for haul up to or through 1,0 km (restricted overhaul)	m <sup>3</sup>	5 000		
16.02	Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)	m <sup>3</sup> -km	5 000		
1600	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				



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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1700</b>	<b><u>CLEARING AND GRUBBING</u></b>				
<b>17,01</b>	<b>Clearing and grubbing</b>	ha	7,5		
<b>17,02</b>	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1m up to and including 2m	No	5,0		
	(b) Girth exceeding 2m up to and including 3m	No	5		
<b>17,04</b>	Clearing and grubbing at inlets and outlets of hydraulic structures	m <sup>2</sup>	50		
<b>17,06</b>	Removal and storage of selected vegetation				
	(a) Cost of removal, storing, protection and replanting in a protected and fenced off area of selected vegetation	Prov Sum	1	15 000,00	15 000,00
	(b) Charge on provisional sum	%	10%	15 000,00	1 500,00
<b>1700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>DAYWORKS</u></b>				
<b>B18.01</b>	<b>Labourers</b>				
	(i) Unskilled	hour	10		
	(ii) Semi-skilled	hour	10		
	(iii) Skilled	hour	10		
	(iii) Flagman	hour	10		
<b>B18.02</b>	<b>Foremen</b>	hour	10		
<b>B18.03</b>	<b>Tipper trucks</b>				
	(i) 3 - 5 tonnes	hour	10		
	(ii) 5,1 - 10 tonnes	hour	10		
<b>B18.04</b>	<b>Loader (0,5m<sup>3</sup> bucket) TLB</b>	hour	10		
<b>B18.05</b>	<b>Grader (CAT 14G or similar)</b>	hour	10		
<b>B18.06</b>	<b>LDV</b>	hour	10		
<b>B18.07</b>	<b>Compaction rollers:</b>				
	(i) Vibrator roller	hour	10		
	(ii) Tamping roller	hour	10		
	(iii) Grid roller	hour	10		
<b>B18.08</b>	<b>Hand controlled compactors:</b>				
	(i) Pedestrian roller (Bomag BW90)	hour	10		
	(ii) Vibratory plate	hour	10		
	(iii) Rammers	hour	10		
<b>B18.09</b>	<b>Water truck (10 000l)</b>	hour	10		
<b>B18.10</b>	<b>Dozer (D7 or similar)</b>	hour	10		
<b>B18.11</b>	<b>Tracked excavator (92 kw)</b>	hour	10		
<b>1800</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2100	<u>DRAINS</u>				
21.01 LI	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 <sup>3</sup>	2500		0,00
	(ii) Exceeding 1,5 m and up to 3,0 m	m <sup>3</sup>	0		0,00
	(b) Extra over subitem 21.01(a) for excavation in hard material irrespective of depth	m <sup>3</sup>	500		0,00
2200	TOTAL CARRIED FORWARD				0,00

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>2200</b>	<b><u>PREFABRICATED CULVERTS</u></b>				
<b>22.01 LI</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>	50		
	(ii) Exceeding 1,5 m and up to 3,0 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>	15		
<b>B22.901</b>	(c) Excavating soft material by hand for inlet and outlet structures and manholes	m <sup>3</sup>	20		
<b>22.02 LI</b>	<b>Backfilling:</b>				
	(a) Using the excavated material	m <sup>3</sup>	50		
	(b) Using imported selected material	m <sup>3</sup>	50		
	(c) Extra over subitems 22.02(a) and (b) for soil cement backfilling containing 5% cement	m <sup>3</sup>	50		
<b>22,03</b>	<b>Concrete pipe culverts:</b>				
<b>22,03</b>	Concrete Pipe Culverts(type ogee jointed)				
	(a) On ClassA bedding				
	(i) 450mm dia.Class 100D	m			
	(ii) 600 mm dia. Class 100D	m	20		
	(iii) 675 mm dia. Class 100D	m			
	(iv) 750mm dia.Class 100D	m	20		
	(vi) 900 mm dia. Class 100D	m			
	(vii) 1200 mm dia. Class 100D	m			
	(vii) 1500 mm dia. Class 100D	m			
<b>22,05</b>	Cast insitu concrete and formwork				
	(a) In Class A bedding, screeds and the encasing for pipes including formwork, (class 25/19)	m <sup>3</sup>	10		
<b>22,07</b>					
<b>2200</b>	<b>TOTAL CARRIED FORWARD</b>				

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	<b>TOTAL BROUGHT FORWARD</b>				
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork, but including class U2 surface finish:				
	(i) Class 20/19 concrete	m <sup>3</sup>	20		
	(d) Formwork of concrete under subitem 22.07(c) above (type of finish indicated):				
	(i) Class F1 surface finish	m <sup>2</sup>	50		
	(ii) Class F2 surface finish	m <sup>2</sup>	50		
<b>22.08</b>	<b>Concrete backfill for culverts, class 20/38 concrete</b>	m <sup>3</sup>	25		
<b>22.10</b>	<b>Steel reinforcement:</b>				
	(a) Mild-steel bars	t	0,25		
	(b) High-tensile steel bars	t	0,25		
	(c) Welded steel fabric	kg	200		
<b>B22.12</b>	<b>Removing existing concrete and brickwork:</b>				
	(a) Plain concrete	m <sup>3</sup>	10		
	(b) Reinforced concrete	m <sup>3</sup>	10		
	(c) Brickwork	m <sup>3</sup>	5		
<b>22.14</b>	<b>Removing and stacking existing prefabricated culverts</b>				
	(a) 375mm dia to 600mm dia.	m	5		
	(b) 600mm dia. to 825mm dia.	m	15		
<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 stacking existing prefabricated culverts, for haul in excess of free-haul distance</b>	m <sup>3</sup> -km	500		
<b>22.30</b>	<b>Preparation and compaction of in situ bedding material to:</b>				
	(a) 90% of Mod. AASHTO density (150mm thick)	m <sup>3</sup>	15		
<b>22.31</b>	<b>Dewatering and keeping dry culvert excavations</b>	number	2		
<b>22.32</b>	<b>Cutting of concrete pipes</b>				
	(a) 600mm dia (class 75D)	number	5		
	(b) 900mm dia (class 75D)	number	0		
<b>22/51.01</b>	<b>Stone pitching:</b>				
	(b) Grouted stone pitching	m <sup>2</sup>	40		
<b>2200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	<b><u>BORROW MATERIALS</u></b>				
31,01	<b>Removal of excess overburden</b>				
	(a) Depth up to and including 0,5m	m <sup>3</sup>	1 000,00		
31,03	<b>Finishing-off borrow areas in:</b>				
	(a) Hard material	ha	0,50		
	(b) Intermediate material	ha	0,50		
	(c) Soft material	ha	0,50		
3100	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3200	<u>SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS</u>				
32,06	Stockpiling of material	m <sup>3</sup>	6 000		
3200	TOTAL CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3300</b>	<b><u>MASS EARTHWORKS</u></b>				
<b>33,01</b>	<b>Cut and borrow to fill, including free haul up to 0,5 km.</b>				
	(a) Material in compacted layer thickness of 200mm and less:				
	(ii) Compacted to 90% of modified AASHTO density	m <sup>3</sup>	2 405,00		
<b>33,07</b>	<b>Removal of unsuitable material (including free-haul of 0.5km):</b>				
	(a) In layer thicknesses of 200mm and less:				
	(i) Stable material	m <sup>3</sup>	1 000		
<b>33,09</b>	<b>Material bladed to windrow</b>	m <sup>3</sup>	1000		
<b>33,11</b>	<b>Three roller passes compaction</b>				
	(a) Vibratory roller	m <sup>2</sup>	0		
	(b) Grid roller	m <sup>2</sup>	0		
<b>33,12</b>	<b>In situ treatment of roadbed</b>				
	(a) by ripping	m <sup>3</sup>	3300		
<b>33,13</b>	<b>Finishing-off cut and fill slopes, medians and interchange areas :</b>				
	(a) Cut slopes	m <sup>2</sup>	5000		
	(b) Fill slopes	m <sup>2</sup>	5000		
<b>3300</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				



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3400	<b><u>PAVEMENT LAYERS OF GRAVEL MATERIAL</u></b>				
34.01	<b>Pavement layers constructed from gravel taken from cut or borrow including free-haul up to 1,0 km :</b>				
	(d) Gravel subbase (chemically stabilised material) compacted to:				
	(i) 95% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	2550		
	(f) Gravel base (chemically stabilised material) compacted to:				
	(i) 97% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	2550		
	(g) Gravel shoulders compacted to:				
	(ii) 93% of modified AASHTO density for a compacted layer thickness of 150 mm	m <sup>3</sup>	1600		
34.02	<b>Extra over item 34.01 for excavation of material in:</b>				
	(a) Intermediate excavation	m <sup>3</sup>	3015		
	(b) Hard material	m <sup>3</sup>	1340		
3400	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3500	<b><u>STABILIZATION</u></b>				
35.01 LI	<b>Chemical stabilisation extra over unstabilised compacted layers:</b>				
	(a) Gravel base and subbase layer, 300 mm thick	m <sup>3</sup>	6700		
35.02 LI	<b>Chemical stabilising agent:</b>				
	(a) Road Lime	t	0		
	(b) Ordinary Portland cement	t	422		
35.04 LI	<b>Provision and application of water for curing</b>	kilolitre	1500		
3500	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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4100	<b><u>PRIME COAT</u></b>				
41.01 LI	Prime coat:				
	(e) Inverted Bitumen Emulsion Prime (Application rate 0.8l/m <sup>2</sup> )	litre	13 600		
41.02	Aggregate for blinding	m <sup>2</sup>	500		
41.03	<b>Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment</b>	litre	1000		
4100	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200	<b><u>ASPHALT BASE AND SURFACING</u></b>				
42,02	Asphalt surfacing 30mm, 80/100 Penetration Grade Bitumen				
	(a) Continuously graded	m <sup>2</sup>	17 800,00		
	(b) Tack coat (Application rate: 0.5l/m2)	litre	5 400,00		
4200	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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5100	<b><u>PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION</u></b>				
51,01	<b>Stone pitching</b>				
	(b) Grouted stone pitching	m <sup>2</sup>	250		
51.06	<b>Provision of approved herbicide and ant poison:</b>				
	(a) Provision of materials	-	-	PC Sum	20 000,00
	(b) Contractor's charges and profit added to the PC Sum	%	20000,00	10,00%	2 000,00
5100	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5400</b>	<b>GUARDRAILS</b>				
<b>54,01</b>	Guardrails on timber posts				
	(a) Galvanised	m	0		
<b>54,03</b>	Extra over item 54.01 for horizontally curved guardrails factory bent to a radius less than 45m	m	0		
<b>54,04</b>	End treatments				
	(a) End wings	No	0		
<b>54,06</b>	Reflective Plates	No	0		
<b>5600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

SCHEDULE OF QUANTITIES  
THE UPGRADING (GRAVEL TO TAR) OF GA-SEMENYA TO MATEKERENG ROAD PHASE 2

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5600</b>	<b><u>ROAD SIGNS</u></b>				
<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:				
	(c) Prepainted galvanized steel plate (chromadek or approved equivalent):				
	(i) Area not exceeding 2 m <sup>2</sup>	m <sup>2</sup>	30		
	(d) Prepainted galvanized steel profiles (200mm high chromadek or approved equivalent)				
	(ii) Area exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	m <sup>2</sup>	30		
<b>56.02</b>	Extra over B56.01 for using:				
	(a) Background of retro-reflective material				
	(i) Class I	m <sup>2</sup>	30		
	(b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
	(iii) Class IV (Micro-Prismatic)	m <sup>2</sup>	30		
<b>56.03</b>	Road Sign supports				
	(a) Galvanized Steel				
	(i) 75mm D Section 2mm wall thickness	ton	1,0		
	(ii) 100mm D Section 4mm wall thickness	ton	1,0		
	(b) Timber				
	(i) 125mm minimum dia CCA Treated	m	30		
	(ii) 150mm minimum dia CCA Treated	m	30		
	(iii) 175mm minimum dia CCA Treated	m			
<b>B56.10</b>	Danger plates at culverts/structures				
	(a) type A at stormwater culverts				
	(i) 600mm x150mm	No.	8		
	(b) Type B at guardrails				
	(i) 800mm x 200mm	No.	8		
	(c) Type C bridges				
	(i) 1200mm x 300mm	No.	0		
<b>B56.11</b>	(c) Hand excavation to determine the positions of existing services	m <sup>3</sup>	60		
<b>5600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

SCHEDULE OF QUANTITIES  
THE UPGRADING (GRAVEL TO TAR) OF GA-SEMENYA TO MATEKERENG ROAD PHASE 2

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5700</b>	<b><u>ROAD MARKINGS</u></b>				
<b>57.02</b>	<b>Retro-reflective road-marking paint:</b>				
	(a) White lines (broken or unbroken):				
	(i) 100 mm wide	km	2,76		
	(iii) 200mm wide	km	0,10		
	(b) Yellow lines (broken or unbroken):				
	(i) 100 mm wide	km	0,00		
	(iii) 200mm wide	km	0,00		
	(d) White lettering and symbols	m <sup>2</sup>	100		
	(c) Red lines (broken or unbroken)				
	(i) 100mm	km	0		
<b>57.04</b>	<b>Variations in rate of application:</b>				
	(a) White paint	litre	100		
	(b) Yellow paint	litre	100		
<b>57.06</b>	<b>Setting out and premarking the lines (excluding traffic-island markings, lettering and symbols)</b>	km	2,8		
<b>5700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				



SCHEDULE OF QUANTITIES  
 THE UPGRADING (GRAVEL TO TAR) OF GA-SEMENYA TO MATEKERENG ROAD PHASE 2

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900	<b><u>FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</u></b>				
59.01	Finishing the road and road reserve:  (b) Single-carriageway road	km	2,50		
5900	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

SCHEDULE OF QUANTITIES  
 THE UPGRADING (GRAVEL TO TAR) OF GA-SEMENYA TO MATEKERENG ROAD PHASE 2

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>8100</b>	<b><u>TESTING MATERIALS AND WORKMANSHIP</u></b>				
<b>B81.04</b>	Routine tests requested by the engineer				
	(a) Cost of testing	-	Prime cost	Sum	150 000,00
	(b) Charge on Prime Cost Sum for overheads and profits	%	100 000	10%	10 000,00
<b>8100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>160 000,00</b>

SCHEDULE OF QUANTITIES  
UPGRADING (FROM GRAVEL TO TAR) SEMENYA TO MATEKERENG ROAD PHASE 2

ITEM	DESCRIPTION	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS	
1200D	PROVISION OF STRUCTURED TRAINING	
1300	CONTRACTOR'S ESTABLISHMENT ON SITE	
1400	HOUSING, OFFICES AND LABORATORIES FOR THE SITE ENGINEER	
1500	ACCOMMODATION OF TRAFFIC	
1600	OVERHAUL	
1700	CLEAR AND GRUB	
1800	DAYWORKS	
2100	DRAINS	
2200	PREFABRICATED CULVERTS	
3100	BORROW MATERIALS	
3300	MASS EARTHWORKS	
3400	PAVEMENT LAYERS OF GRAVEL MATERIALS	
3500	STABILISATION	
4100	PRIME COAT	
4200	ASPHALT BASE AND SURFACING	
5100	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION	
5600	ROAD SIGNS	
5700	ROAD MARKINGS	
5900	FINISHING ROAD AND ROAD RESERVE	
8100	TESTING MATERIALS AND WORKMANSHIP	
	SUBTOTAL OF THE CONSTRUCTION COSTS	
	ADD 10% CONTINGENCY	
	SUBTOTAL INCLUDING CONTINGENCIES	
	ADD 14% VALUED ADDED TAX	
	TOTAL CONSTRUCTION COST ESTIMATE	