

SUMMARY OF SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT
1200	General Requirements and Provisions	
1300	Contractor's Establishment and General Obligations	
1400	Temporary works	
1500	Accommodation of Traffic	
1700	Clearing and Grubbing	
2100	Drains	
2200	Prefabricated Culverts	
3100	Borrow Materials	
3300	Mass Earthworks	
3400	Pavement Layers of Gravel Material	
5100	Pitching, Stonework and Protection against Erosion	
5600	Road signs	
5900	Finishing the Road Reserve and Treating of Old Roads	
6200	Falsework, Formwork and Concrete Finish	
6400	Concrete for Structures	
8100	Testing Workmanship and Materials	
Subtotal A		
Add 5% Contingencies		
Subtotal B		
Add 14% VAT		
Total Tender Amount		

Signed :

Date:

Name of Tenderer :

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
12	Community Liaison Officer:				
	(a) Community Liaison Officer cost	Prov Sum	1	15000,00	15000,00
	(b) Project Liaison Committee	Prov Sum	1	3600,00	3600,00
	(c) Handling costs and charges for Contractor on items B12.0 (a) to (b)	%	18600		
12,07	Notices, Signs and Advertisement				
12,18	Remedial Work				
	(a) Removal of site establishment	Sum	1		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
13,01	The contractor's general obligations:				
	(a) <u>Fixed obligations</u>	Lump sum	1		
	(b) <u>Value-related obligations</u>	Lump sum	1		
	(c) <u>Time-related obligations</u>	Month	4		
	NB The combined total tendered for subitems (a), (b) and (c) shall not exceed 15% of the Tender Sum (excluding CPAF, contingencies and VAT).				
13,02	Occupational Health & Safety:				
	(a) - Preparation and submission of a detailed Contractor's site Health and Safety Plan	Lump sum	1		
	(b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
	(c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
	(d) - Provision for Personal Protective Equipment & Protective Clothing	Lump sum	1		
	(e) - Provision of full time Construction Health and Safety Officer	month	4		
	(f) - Induction Training	Lump sum	1		
	(g) - Provision of First Aid Boxes	Lump sum	1		
	(h) Protection of existing services Underground Electrical cables, Water lines, Telkom lines	Lump sum			
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1400	TEMPORARY WORKS				
14,04	(a) Allowance for Non accredited training	P.sum			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500	ACCOMODATION OF TRAFFIC				
15,01	Accomodation of traffic and maintenabce	km	2,10		
17,02	Temporary traffic control facilities				
LIC	(a) Flagman	no	4		
	(b) Portable STOP and GO-RY signs	No	2,00		
	(e) Road signs R and TR series (600mm)	No			Rate Only
	(f) Road signs and TW-series (600mm)	No			Rate Only
	(g) Traffic cones (750mm high)	No	10,00		
	(h) Delineators TW401 or TW402 (200 mm x 800 mm):				
	(i) Single sided	No	0,00		Rate Only
	(ii) Double sided	No	20,00		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
17,01	Rip and Recompact the existing surface/ road bed	ha	1.05		
17,02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 1m up to and including 2m	No	0		
17,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m ²	10,00		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2100	DRAINS				
21,01	Excavation of open drains				
	(a) Excavating soft material situated within the following depth ranges below the surface level				
	(i) 0m up to 1,5m	m ³			Rate only
	(b) Extra over subitem B21.01(a) for excavation in hard material irrespective of depth	m ³			
21,02	Clearing and shaping existing open drains	m ³	0,00		
21,15	Overhaul of material hauled in excess of 1,0km free-haul (normal overhaul)	m ³ -km	0,00		
21,20	Clearing and shaping side and mitre drains by grader	m			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the level surface level				
	(i) 0m up to 1,5m	m ³			Rate only
	(ii) Exceeding 1,5m and up to 3,0m	m ³			Rate only
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m ³			Rate Only
22,02	Backfilling				
	(a) Using the excavated material	m ³			Rate Only
	(b) Using imported selected material	m ³			Rate Only
22,03	Concrete pipe culvert				
	(b) On class B bedding				
	(i) 600 mm dia class 100D	m	0		
	(ii) 900 mm dia class 100D	m	0		
22,07	Cast in situ concrete and formwork				
LIC	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including class U2 surface finish (25MPa / 19)	m ³	0		
22,10	Steel reinforcement				
	(c) Welded steel fabric	kg	0		
22,17	Manholes, catch pits, inlet and outlet structurescomplete				
LIC	Complete inlet structures as per detail on drawing No.09-13-02	No	0		
LIC	Complete outlet structures as per detail on drawing No.09-13-02	No	0		
22,26 LIC	Hand excavation to determine the position of existing services	m ³	10		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	BORROW MATERIALS				
31,01	Excess overburden (provisional)	m ³			Rate Only
31,03	Finishing-off borrow areas				
	(a) Hard material	ha			Rate Only
	(b) Intermediate material	ha			Rate Only
	(c) Soft material	ha			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	MASS EARTHWORKS				
33,07	<u>Removal of unsuitable material (including free-haul of 1.0km)</u>				
	(a) In layer thickness of 150mm and less:				
	(i) Soft material	m ³			Rate Only
	ii Intermediate material	m ³			Rate Only
33,10	<u>Roadbed preparation and compaction of material</u>				
	(b) Compaction to 93% Mod AASHTO density	m ²	10 500		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
34,01	Pavement layers constructed from gravel taken from cut or borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to				
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m ³	1575		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5100	PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION				
51,01	Stone pitching				
LIC	(b) Grouted stone pitching	m ²			Rate Only
51,03	Stone masonry walls:				
	(b) Cement-mortared stone walls	m ²			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5600	ROAD SIGNS				
56,01	Road sign boards complete with supports with Class 1 retro-reflective background. Symbols and lettering in semi matt black. Borders in Class 1 retro- reflective material, where the signboard is constructed from :				
	(c) <u>Prepainted galvanised steel plate (1.2mm chromadek or approved equivalent)</u>				
	(i) <u>900mm diameter Round or Stop signs:</u>				
	- R 1	No.			Rate Only
	- R 201 (60)	No.			Rate only
	(ii) <u>900mm Triangular signs:</u>				
	- W326	No.			Rate Only
	(iv) <u>150mm x 600mm Hazard Marker Signs</u>				
	- W401 / W402	No.			Rate only
	(v) <u>450mm x 450mm Hazard Marker Signs</u>				
	- W405 / W406	No.			Rate Only
56,03	Road sign supports:				
	(b) <u>Timber</u>				
	(i) 75mm diameter	m			Rate Only
	(ii) 100mm diameter	m			Rate Only
56,06	Excavation and backfilling for road sign supports:				
LIC	(a) Excavation for sign supports	m ³			Rate Only
56,06	Extra over item 56.05 for cement treated backfill:				
LIC	(a) With soilcrete	m ³			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
59,01	Finishing road and road reserve				
	b) Single carriageway road	km	2.1		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
62,01	Formwork to provide class F2 surface finish to concrete lined causeways	m ²			Rate Only
62,02	Vertical formwork to provide class F2 surface finish to concrete lined causeways	m ²			Rate Only
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6400	CONCRETE FOR STRUCTURES				
64,01	Cast in situ concrete				
LIC	Class 25 /19 (concrete Ditch drain of 5.5m*1.0m*0.12m-reinforced with ref 193 mild welded mesh)	m ³	15		
	(a) Class 25/19 (concrete Ditch drain of 5.5m*1.0m*0.12m-reinforced with ref 193 mild welded mesh)	m ³	15		
	(b) Class 25/19 (Concrete drive way of 2m* 1m* 0.12m)	no	33		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the Engineer	Prov sum	1		
CARRIED FORWARD TO SUMMARY :					