

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDER AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
12.01	Community Liaison:				
	(a) Community Liaison Officer cost	Prov. Sum	1	27000.00	27000.00
	(b) Monthly sitting allowance for PSC Members	Prov. Sum	1	R10,800.00	R10,800.00
	(c) Handling costs and charges for Contractor on items 12.01 (a) to (b)	%			
12.02	PROVISIONAL SUMS				
12.02.6	Accredited Training	Prov. Sum	1	R80,000.00	R80,000.00
	Overheads and profit on item 12.02.6	%	R 80,000.00		
12.08	Notices, Signs and Advertisement				
	Contract boards	No	1		
12.09	Remedial Work				
	(a) Rehabilitation of borrow pits and quarry	Sum	1		
	(b) Removal of site establishment	Sum			
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	6		
13.02	Occupational Health & Safety:	Lump sum	1		
	(a) - Preparation of Contractor's site specific Health and Safety Plan				
	(b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations				
	(c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations				
	(d) - Provision for Personal Protective Equipment & Protective Clothing				
	(i) Reflective vests				
	(ii) Work Suits				
	(iii) Hard hats				
	(iv) Protective foot wear				
	(v) Earplugs and Goggles				
	(vi) Dust masks				
	(e) - Provision of full time Construction Health and Safety Officer				
	(f) - Induction Training				
	(g) - Provision of First Aid Boxes				
	(h) - Submission of the Health and Safety File				
	(i) Contractors Obligations for OHS COVID 19 & Construction Regulations				
	(j) Costs of Medical Certificates for all employees				

CARRIED FORWARD TO SUMMARY :

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S PERSONNEL				
14.08	Services:				
	The provision of water, electricity, sewerage, septic tanks, sewage and rubbish removal, cleaning services, maintenance and repairs, all as specified in Clause 14.04, including the construction and maintenance of the access roads, footpaths, etc:				
	(a) Services at office and laboratories				
	(i) Fixed costs	Lump sum	1		
	(ii) Running costs	Month	6		
14.09	Combined office and laboratory accommodation:				
	Office and laboratory accommodation, including fittings, furniture and equipment, car ports and housing in accordance with the details given in the project specification and on the drawings and airconditioning	Lump sum	1		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500	ACCOMODATION OF TRAFFIC				
15.01	Accomodation of traffic	km	11.30		
17.02	Temporary traffic control facilities				
LIC	(a) Flagmen	man-days	140		
	(b) Portable STOP and GO-RY signs	No	4.00		
	(e) Road signs R and TR series (600mm)	No	4.00		
	(f) Road signs and TW-series (600mm)	No	4.00		
	(j) Traffic cones (750mm high)	No	12.00		
CARRIED FORWARD TO SUMMARY :					0

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1600	OVEHAUL Overhaul on material hauled in excess of 1.0km (ordinary overhaul)	m ³ -km	97886.25		
CARRIED FORWARD TO SUMMARY :					0

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
17.01	Clear and grubbing	ha	0.50		
17.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 1m up to and including 2m	No	Rate only		
17.04	Clearing and grubbing at inlets and outlets of hydraulic structures	m ²	Rate only		
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	96.00		
	(b) Extra over subitem B21.01(a) for excavation in hard material irrespective of depth	m ³	Rate only		
21.02	Clearing and shaping existing open drains	m ³	120.00		
21.14	Repairing or replacing of existing drainage systems	Prov Sum	1.00		
21.20	Clearing and shaping side and mitre drains by grader	m	120.00		
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	62.00		
	(ii) Exceeding 1,5m and up to 3,0m	m ³			
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m ³			
22.02	Backfilling				
	(a) Using the excavated material	m ³	32.00		
	(b) Using imported selected material	m ³	6.00		
22.03	Concrete pipe culvert				
	(b) On class B bedding				
	(i) 600 mm dia class 100D	m	45.00		
22.07	Cast in situ concrete and formwork				
LIC	(c) concrete base lab excluding formwork but including class U2 surface finish (25MPa / 19)	m ³	180.00		
22.17	Manholes, catch pits, inlet and outlet structurescomplete				
LIC	Complete inlet structures as per detail on drawing.....	No	6.00		
LIC	Complete outlet structures as per detail on drawing.....	No	6.00		
22.26	Hand excavation to determine the position of existing services				
LIC		m ³	8.00		
CARRIED FORWARD TO SUMMARY :					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	BORROW MATERIALS				
31.01	Excess overburden (provisional)	m ³	175.00		
31.03	Finishing-off borrow areas				
	(a) Hard material	ha	1.60		
	(b) Intermediate material	ha	1.80		
	(c) Soft material	ha	1.60		
CARRIED FORWARD TO SUMMARY :					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	MASS EARTHWORKS				
33.01	Cut and borrow to fill, including freehaul up to 0.5km :				
	(a) Material in compacted layer thickness of 150mm and less:				
	(ii) Compacted to 93% of mod AASHTO	m ³	18,750		
33	Cut to spoil, including free-haul up to 0.5km Material obtained from:				
	(a) Soft excavation	m ³	206		
	(b) Intermediate excavation	m ³	180		
	(c) Hard excavation	m ³	89		
33.07	<u>Removal of unsuitable material (including free-haul of 0.5km)</u>				
	(a) In layer thickness of 150mm and less:				
	(i) Stable Material	m ³	3,000		
33.10	<u>Roadbed preparation and compaction of material</u>				
	(b) Compaction to 93% Mod AASHTO density	m ³	1,725		
33.12	<u>In situ treatment of roadbed</u>				
	(a) In situ treatment by ripping	km	11		
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	17250.00		
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	288.00		
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	<p>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 :</p> <p>(c) Prepainted galvanised steel plate (1.2mm chromadek or approved equivalent)</p> <p>(i) 900mm diameter Round or Stop signs:</p> <ul style="list-style-type: none"> - R 1 No. 8 - R 201 (60) No. 12 <p>(ii) 900mm Triangular signs:</p> <ul style="list-style-type: none"> - W326 No. 8 <p>(iv) 150mm x 600mm Hazard Marker Signs</p> <ul style="list-style-type: none"> - W401 / W402 No. 6 <p>(v) 450mm x 450mm Hazard Marker Signs</p> <ul style="list-style-type: none"> - W405 / W406 No. 14 				
56.03	<p>Road sign supports:</p> <p>(b) Timber</p> <ul style="list-style-type: none"> (i) 75mm diameter m 180 (ii) 100mm diameter m 240 				
56.06	Excavation and backfilling for road sign supports:				
LIC	(a) Excavation for sign supports	m ³	24.0		
56.06	Extra over item 56.05 for cement treated backfill:				
LIC	(a) With soilcrete	m ³	12		
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	11.30		
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	m ²			
62.02	Vertical formwork to provide class F2 surface finish to concrete	m ²	100.00		
					0.00
CARRIED FORWARD TO SUMMARY :					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63.01	Steel reinforcement for:				
	(a) Concrete				
	(3) Welded steel fabric mesh (ref 395)	kg	280		
CARRIED FORWARD TO SUMMARY :					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6400	CONCRETE FOR STRUCTURES				
64.01	Cast in situ concrete				
LIC	(a) Class 25 /19	m ³	125.00		
CARRIED FORWARD TO SUMMARY :					-

SUMMARY OF SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT
1200	General Requirements and Provisions	
1300	Contractors Establishment and General Obligations	
1400	House, Offices and Laboratory for Engineer's Personnel	
1500	Accommodation of Traffic	
1600	Overhaul	
1700	Clearing and Grabbing	
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	
6300	Steel reinforcing of Structures	
6400	Concrete for Structures	
Subtotal A		
Add 5% Contingencies		
Subtotal B		
Add 15% VAT		
Total Tender Amount		

Signed :

Date:

Name of Tenderer :