

**CONTRACT NAME.: REHABILITATION OF OAKS TO FINALE ROAD**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.02	(a) Exposing existing services	Prov Sum	1,00	25 000,00	25 000,00
	(b) Handling costs and charges for the contractor	%	25 000,0		
	(c ) Relocating existing services	Prov sum	1,0	35 000,00	35 000,00
	(d) Handling costs and charges for the contractor	%	35 000,0		
B12.04	(i) Provision of a Community Liaison Officer (CLO)				
	(a) Provisional sum for the payment of the Community Liaison Officer	Months PS	6,00	6 000,00	36 000,00
	(b) Provisinal sum for PSC @ R400p/p/m (10 members max)	Months PS	6,00	2 000,00	12 000,00
	(c) Handling costs and profit in respect of sub-item B12.04(a)	%	48000,00		
B12.05	Training				
	(a) Technical skills	Prov sum	1,00	150 000,00	150 000,00
	(b) Generic and Management Skills	Prov sum	1,00	50 000,00	50 000,00
	(c) Training venue	L/sum	1,00		
	(e) Contractor's handling costs, profit and all other				
	(i) Technical skills	%	150 000,00		
	(ii) Generic and Management skills	%	50 000,00		
B12.06	Compliance with the OHS Act and Construction Regulations				
	(a) Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	L/sum	1,00		
	(b) Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Month	6,00		
	(c ) Submission of the Health and Safety File	L/sum	1,00		
B12.07	Construction Sign Boards. Rate is to include for all materials, labour and plant for the production and erection of the boards as indicated.(Editing the existing)	No.	2,00		
TOTAL SECTION 1200 CARRIED FORWARD TO SUMMARY					

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ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
<b>1400</b>	<b>HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL</b>				
14.01	Office and laboratory accommodation				
	(a) Office (interior floor space only)	m <sup>2</sup>	40,00		
	(b) Laboratories interior floor space only)	m <sup>2</sup>	160,00		
	(c) Open concrete working floors, 150mm thick	m <sup>2</sup>	240,00		
	(d) Roofs over open concrete working floors	m <sup>2</sup>	240,00		
	(e) Ablution units	m <sup>2</sup>	12,00		
	(f) Stores	m <sup>2</sup>	18,00		
14.02	Office and laboratory furniture				
	(a) chair	No	20,00		
	(b) Draughtsman's stools	No	2,00		
	(c) High chair for laboratory	No	2,00		
	(d) Desk, complete with drawers and locks	No	4,00		
	(e) Drawing tables	No	1,00		
	(f) Conference tables	No	1,00		
14.03	Offices and laboratory fittings installation and equipment				
	(a) Items measured by number				
	(i) 220/250 volt power points	No	3,00		
	(ii) 400/231 volt 3-phase power points	No			Rate only
	iii) Double 80 watt fluorescent light fitting complete	No	4,00		
	(iv) Double 55 watt fluorescent light fittings complete	No	3,00		
	(v) Single incandescent light fittings complete with	No	3,00		
	(vi) Hand wash basin complete with taps and drains	No	2,00		
	(vii) Laboratory basin complete with swanneck taps	No	-		
	(viii) Extractor fans installed complete with own power connections	No	1,00		
	(ix) Fire extinguishes 2,5 kg bef type, complete	No	4,00		
	(x) Air conditioning units with 2,2 kw minimum capacity, mouted and with a suitable power point connection	No	4,00		
	(xi) heater, space-heating type, minimum capacity 1,5kw	No	-		
	(xii) Curing chamber for UCS specimen, complete complete with water connection, including the provision	No	-		
	(xiii) General purpose steel cupboards with shelves	No	2,00		
	(xiv) Steel filing cabinets with drawers	No	2,00		
	(xv) Refrigerator	No	2,00		
	(xvi) Steel plan cabinets	No	1,00		
	(xvii) Floodlights complete with poles and 500 Watt minimum globes	No	4,00		
TOTAL CARRIED FORWARD					

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TOTAL SECTION 1700 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
1800	<b>DAYWORKS</b>				
D18.01	Personnel during normal working hours				
	(a) Unskilled labour	h	25		
	(b) Semi-skilled labour	h	25		
	c) Skilled labour	h	25		
	(d) Ganger	h	25		
	(e) Flagmen	h	25		
D18.02	Personnel outside normal working hours				
	(a) Outside normal working hours and Saturdays				
	(i) Unskilled labour	h	100		
	(b) Sundays and public holidays				
	(i) Unskilled labour	h	25		
1731	D18.03	Plant			
	(a) Cat D7H Dozer or equivalent	h	25.0		
	(b) Cat 350 Excavator or equivalent	h	25.0		
	c) Cat 428 TLB or equivalent	h	25.0		
	(d) Cat 140G or equivalent	h	25.0		
	(e) Cat 930 Loader or equivalent	h	25.0		
	(f) Hand controlled compactors:				
	(i) Bomaa BW90 Pedestrian roller or equivalent	h	25.0		
	(ii) Vibratorv Plate	h	25.0		
	(iii) Rammers	h	25.0		
	(a) Watercart 10000l	h	25.0		
	(h) 5 m3 Tipppers	h	25.0		
	(i) 10 m3 Tipppers	h	25.0		
	(k) Compaction Rollers:				
	(i) Vibrator roller	h	25.0		
	(ii) Tampinq roller	h	25.0		
	(iii) Grid roller	h	25.0		

TOTAL SECTION 1800 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
21,00	<b>DRAINS</b>				
21,01	Excavation for open drains				
	Excavating soft material situated within the following depth ranges below the surface level				
	(1) 0m up to 1.5m	m³	280,00		
	(2) 1,5m up to 3.0m	m³	90,00	Rate only	
LI 21.03	Excavation for sub-soil drainage systems:				
	(a) Excavating soft material situated within the				
	(i) 0 m up to 1,5 m	m³	2 520,00		
	(b) Extra over subitem 21,03 (a) for excavation in				
21,04	Impermeable backfilling to subsoil drainage	m³	260,00		
21,05	Banks and dykes	m³	720,00		
21,06	Natural permeable material in submoil drainage system (crushed stones)				
	(b) Crushed stone obtained from commercial sources				
	(2) Coarse grade 19mm surfacing stone	m³	756,00		
21,07	Natural permeable material in submoil drainage				
	(b) Sand Commercial sources				
	(1) Coarse Grade	m³	180,00		
21,08	Pipes in subsoil drainage systems:				
	(b) Unplasticised PVC pipes and fittings, normal duty				
	(1) 150mm internal dia. Perforated.	m	1 000,00		
21,09	Polyethylene sheeting 0.15mm tick, or similar,	m²	2 000,00		
21,1	Synthetic-fibre filter fabric (Grade A2 or equivalent)	m²	440,00	Rate only	
21,12	Concrete/brick work outlet structures,manhole boxes				
	(a) Outlet Structures	no	2,00		
	(c ) Junction boxes	no	4,00		
	(d) Cleaning eyes	no	5,00		
21,13	Concrete caps for sub-soil drain pipes	no	rate only		
21,15	Overhaul for material hauled in excess of 1.0km free-	m³.km	266,00		
21,17	Test flushing of pipe subsoil drains	m	10,00		
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO	m³	300,00		



TOTAL SECTION 2100 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
22,00	PREFABRICATED CULVERTS				
	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(1) 0 m up to 1.5 m	m³	100,00		
	(2) Exceeding 1,5 m and up to 3,0 m	m³	60,00		
	(3) Exceeding 3,0 m and up to 4,5 m	m³	-		Rate only
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m³	32,00		
	(b) Extra over subitem 22.01(a) for excavation by hand	m³	150,00		
22,02	Backfilling:				
	(a) Using the excavated material	m³	150,00		
	(b) Using imported selected material	m³	60,00		
	(c) Extra over sub items 22.01(a)and (b) for soil cement backfilling with 5% cement	m³	30,00		
22,03	Concrete pipe culverts				
	(c) On a class B bedding				
	600 mm 100D	m	8,00		Rate only
	750 mm 100D	m	10,00		Rate only
	900 mm 100D	m	4,00		Rate only
22,05	Portal and rectangular culverts				
	Complete with Cast-in-situ floor slabs				
	(a) 750 x 750mm concrete class S	m	16,00		
	b) 900x450mm concrete class S	m	30,00		Rate only
	(c) 900x600mm concrete concrete class S	m	45,00		
	(d)1200x900mm concrete class S	m	180,00		Rate only
	( e) 1800 x 1800mm Concrete class s	m	30,00		Rate only
	(f) 2400 x 2400mm Concrete class s	m	30,00		Rate only
22,12	Removing existing concrete (including existing pipes which cannot be re-used)		-		
	(a) Plain concrete	m³	24,00		
	(b) Reinforced concrete	m³	18,00		
22,17	Manholes, catchpits, precast inlet and outlet				
	(c) Cast-in-situ inlet and outlet structures including :				

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TOTAL SECTION 2200 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
23.00	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS				
23.01	Concrete kerbing				
	(a) Precast kerbing to SABS 927				
	(i) Figure 8b (mountable) kerb on concrete bed	m	1 000,00		
	(b) 300x200 Concrete Edge beam (25 Mpa)	m	1 000,00		
23.02	Concrete kerbing-channeling combination				
	Figure 3 Kerb and channel combination for bus/taxi bays as per detail drawing	m	500,00		Rate only
23.03	Cast in-situ concrete chutes (measured by components)				
	(a) Concrete				
	(1) Class 25/19	m³	55,00		Rate only
	(b) Formwork				
	(1) Smooth	m²	37,00		Rate only
23.07	Trimming of excavations for concrete-lined open drains				
	(a) In soft material	m²	22,00		
	(b) In hard material	m²	533		
23.08	Concrete lining for open drains				
	(a) Cast in-situ class 25/19 concrete	m³	32,00		
	(b) U2 finish	m²	120,00		
23.09	Formwork to cast in situ concrete lining for open drains (class F2 surface finish)				
	(a) To sides with formwork on the internal face only	m²	915,00		Rate only
	(b) To sides with formwork on both internal and external faces	m²	103,00		Rate only
	(c) To ends of slabs	m²	33,00		
	Sealed joints in concrete linings of open drains	m	62,00		
23.12	Steel reinforcement				
	(b) High-tensile steel bars	t	0,40		
	(c) Welded steel fabrics	t	2,30		
23.13	Polyethylene sheeting (0,15mm thick) for concrete-lined open drains	m²	133,00		

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TOTAL SECTION 3200 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
BROUGHT FORWARD					
33.00	MASS EARTHWORKS				
33,01	Cut and borrow to fill, including free-haul up to 0,5 km				
	(a) Gravel material in compacted layer thickness of 200m and less.				
	(1) Compacted to 90% of Mod AASHTO density	m³			Rate only
	(2) Compacted to 93% of Mod AASHTO density	m³	6 187,50		
	(3) Eight-roller-passes compaction	m³	1 687,50		
	(c) Rockfill(as specified in subclause 3209c)	m³			Rate only
	d) Rock protection at the toes of the fill	m³			Rate only
	(e) Pioneer layer	m³			Rate only
33,02	Sand fills (as descried in clause 3302,including free haul up to 0,5km)				
	(a) Non-plastic sand with up to 20% passing through	m³			Rate only
	(b) Non-plastic sand with more than 20%passing	m³			Rate only
33,03	Extra over item 33.01 for excavating and breaking down material in:				
	(b) Hard excavation	m³	12,00		
	(c) Boulder excavation class A	m³	32,00		
	(d) Boulder excavation class B	m³	22,00		
33,04	Cut to spoil, including free haul up to 0,5km.Material				
	(a) Soft excavation	m³	1 237,50		
	(b) Hard excavation	m³			Rate only
	(c) Boulder excavation class A	m³			Rate only
	(d) Boulder excavation class B	m³			Rate only
33,05	Overbreak in hard and boulder class A excavation	m2			Rate only
	(a) Vibrator rollers	m².Pass			Rate only
33,07	Removal of unsuitable material				
	(a) In layer thickness of 200mm and less:	m³	204,00		
	(b) In layer thickness exceeding 200mm	m³	105,00		Rate only







TOTAL SECTION 3400 CARRIED FORWARD TO SUMMARY					
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
<b>35.00</b>	<b>STABILISATION</b>				
35,01	Chemical stabilisation extra over unstabilized				
	(a) Sub-Base and Base				
	(1) 150mm thickness	m³	16800		
35,02	Chemical stabilizing agent				
	(a) Ordinary portland cement (CEM 11 32.5)	t	579,6		
35,04	Provision and application of water for curing (for the period of curing)	kl	1568		
35,10	Extra over item 35.01 for chemical stabilisation in restricted areas:				
	(b) In situ mixing	m³	1500		
35,13	Extra over items 35.01 and 35.07 for trial sections	m³	350		
	<b>PATCHING AND REPAIRING EDGE BREAKS</b>				
	Sawing asphalt or cemnted pavement layers for patching				
	(a) Sawing Asphalt to an average depth:				
	(i) Not exceeding 50mm	m³	330		
	(ii) Exceeding 50mm but not exceeding 100mm	m³	110		
	(iii) Exceeding 100mm	m³	Rate only		
	(b) Sawing Cemented Pavement to an average				
	(i) Not exceeding 50mm	m³	Rate only		
	(ii) Exceeding 50mm but not exceeding 100mm	m³	399		
	(iii) Exceeding 100mm	m³	255		
	Excavation in existing pavements for patching in:				
	(a) Asphalt Layers	m³	3400		
	(b) Cemented Layers	m³	225		
	(c) Other Layers	m³	Rate only		
	Backfilling of excavations for patching with:				
	(a) Chemically satbilized pavement material (Specify				
	(i) Not exceeding 50mm	m³	2440		
	(ii) Exceeding 50mm but not exceeding 100mm	m³	102		
	(iii) Exceeding 100mm	m³	122		
	Compacting the floor of excavations for patching	m²	3400		
	Patching of backfilled areas with:				
	(i) Hot Mix Asphalt not exceeding 50mm	m²	Rate only		
	(ii) Cold mix Aasphalt not exceeding 30mm	m²	3400		
	<b>ASPHALT SURFACING</b>				
42,02	Asphalt surfacing (a) Asphalt surfacing material (dens grade, 30mm thick)	m²	40600		
42,04	Tack coat 30% stable grade emulsion @ 0,5l/m²	liter	20300		
42,05	Installation of speed humps as per approved design.	No	10		
TOTAL SECTION 3500 CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
5200	GABIONS				
52,01	Foundation trench excavation and backfilling				
	(a) In solid rock (material which requires blasting)	m³	10,00		Rate only
	(b) In all other classes of material	m³	500,00		Rate only
52,02	Surface preparation for bedding and gabions	m²	800,00		Rate only
52,03	Gabions				
	(a) Galvanised gabion boxes				
	(1) 2x1x1m (Mesh Type 60, with 2,2/3,2mm dia	m³	55,00		
	(c) Galvanised gabion mattresses-Various sizes				
	(1) 6x2x0.3m (Mesh Type 60, with 2,2/3,2mm dia.	m³	44,00		
52,04	Filter fabrics				
	Bidum U24 or similar approaved	m²	240,00		
TOTAL SECTION 5200 CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
5600	<b>ROAD SIGNS</b>			
56,01	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 or approved equivalent)			
	i) Area not exceeding 2m²	m²	15,00	
	ii) Area exceeding 2m² but not exceeding 10m²	m²	22,00	
	d) Prepainted galvanized steel profiles (200mm high			
	ii) Area exceeding 2m² but not exceeding 10m²	m²	18,00	
56,02	Extra Over item 56.01 for using			
	(a) Background of retro-reflective material			
	(i) Class I	m²	88,00	
	(b) Lettering Symbols, numbers, arrows, emblems			
	(iii) Class IV (Micro-Prismatic)	m²	12,00	
56,03	Road sign supports			
	(a) Galvanised Steel			
	(i) 75mm D Section 2mm wall thickness	ton	1 000,00	Rate only
	(ii) 100mm D Section 4mm wall thickness	ton	1 000,00	Rate only
	(b) Timber			
	(i) 125mm minimum dia CCA Treated	m		Rate only
	(ii) 150mm minimum dia CCA Treated	m	450,00	
	(iii) 175mm minimum dia CCA Treated	m		Rate only
56,05	Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m³	70	
56,06	Extra over item 56.05 for cement-treated soil backfill	m³	14	
56,07	Extra over item 56.05 for rock excavation	m³	50	
TOTAL SECTION 5600 CARRIED FORWARD TO SUMMARY				

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ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS			
59,01	Finishing road and road reserve			
	(b) single carrigeway road	km	5,50	
TOTAL SECTION 5900 CARRIED FORWARD TO SUMMARY				
ITEM	DESCRIPTION	UNIT	QTY	

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CONTRACT NAME.: REHABILITATION OF OAKS TO FINALE ROAD			
SUMMARY OF PRICING SCHEDULE			
SECTION	METHOD	DESCRIPTION	AMOUNT
		<b>SCHEDULE A: ROADWORKS</b>	
1200		General Requirements and Provisions	
1300		Contractor's Establishment on Site and General Obligations	
1400	LIC	Housing , Offices and Laboratories for the Engineer's Site Personnel	
1500	LIC	Accomodation of Traffic	
1700		Clearing and Grubbing	
1800		Dayworks	
2100	LIC	Drains	
2200	LIC	Prefabricated Culverts	
2300	LIC	Concrete Kerbing, Channelling, Chutes, Down Pipes and Concrete Lining	
3100		Borrow Materials	
3200		Selection, Stockpiling and Break-down the Material from Borrow Pits, Cuttings nd Existing Pavement Layers, and Placing and Compacting the Gravel Layers	
3300		Mass Earthworks	
3400		Pavement Layers of Gravel Material	
3500		Stabilisation	
4200		Asphalt Surfacing	
5200	LIC	Gabions	
5600	LIC	Road Signs	
5700	LIC	Road Markings	
5900		Finishing the Road Reserve and Treating Old Roads	
7300	LIC	Concrete Block Paving for Roads	
8100		Testing Materials and Workmanship	
<b>SUBTOTAL 1</b>			
<b>ADD 10% CONTIGENCY</b>			
<b>SUBTOTAL 2</b>			
<b>VAT @ 15%</b>			
<b>TOTAL</b>			