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		

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
1300	CONTRACTORS ESTABLISHMENT ON SITE AND			
	GENERAL OBLIGATION			
13,01	The contractor's general chligations			
13,01	The contractor's general obligations			
	(a) Fixed obligations	L/sum	1,00	
	/b) \/alice valeted abligations	L/sum	1.00	
	(b) Value related obligations	L/sum	1,00	
	(c) Time related obligation	Month	6,00	
TOTAL S	ECTION 1300 CARRIED FOWARD TO SUMMARY			

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL		55.1	7
14,01	Office and laboratory accommodation			
	(a) Office (interior floor space only)	m²	40,00	
	(b) Laboratories interior floor space only)	m²	160,00	
	(c) Open concrete working floors,150mm thick	m²	240,00	
	(d) Roofs over open concrete working floors	m²	240,00	
	(e) Ablution units	m²	12,00	
	(f) Stores	m²	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	

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
	T FORWARD	UNIT	Q IY	AMOUNT
<u> </u>	(b) Prime cost items measured and paid by lump sum			
	(i) Provision of 400/231 volt 3-phase electrical power installation, including all wiring, switchboards,	Lump Sum	1,00	
	(ii) Provision of low pressure gas installation, including gas-storage cylinders	Lump Sum	-	Rate only
	(c) Items measured by area			
	(i) Shelving as specified complete with brackets	m²		Rate only
	(ii) Work-benches complete with wooden top, minimum thickness 75mm	m²		Rate only
	(iii) Work-benches complete with wooden top, minimum thickness 25mm	m²		Rate only
	(iv) Constant Temparature baths of Concrete	m²		Rate only
	(v) Foundations for laboratory equipment	m²		Rate only
	(vi) Roller blinds, opaque type	m²	12,00	
	(vi) Venetian blinds	m²	16,00	
14,04	Car ports			
	(a) car ports, as specified at offices and laboratory	No	4,00	
14,07	Rented, hotel and other accommodation			
	(a) Provisional sum for providing rented housing, hotel or other accommodation as described in subclause 1403 (c)(ii)	Month PS	6,00	
	(b) Handling costs and profit in respect of subitem 14.07 (a)	%	-	
	(c) Allow cellfone airtime and data for the Engineer	Month PS	6,00	
14,08	Services			
	(a) Services at offices and laboratories			
	(1) Fixed cost	Lump	1,00	
	(2) Running costs	Month	6,00	
14,10	Provision for Photostat (with scanner) facility	Month PS	6,00	

ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
BROUGH 15,00	T FORWARD ACCOMMODATION OF TRAFFIC				
15,01	Accommodating traffic and maintaining temporary deviations for the duration of the project	km	6,00		
15,02	Earthworks for temporary deviations including freehaul up to 1.0km				
	(a) Shaping of temporary deviations (Provisional. Only where ordered)	km	3,34		
	(b) Cut and borrow to fill (Provisional. Only where ordered)	m³	1200		Rate only
	(c) Cut to spoil (Provisional. Only where ordered)	m³			Rate only
15,03	Temporary traffic control facility				
	(a) Flagmen	m.day	250		
	(b) Portable stop and go signs	No	2		
	(d) Amber flicker lights	No	6		
	(e) Road signs, R & TR- series,1200mm in diameter	No	30		
	(f) Road signs, W& TW- serie,1200mm sides	No	30		
	(h) Danger plates and delineators	No	300		
	(i) Moveable barricades (chevron and ROAD CLOSED types)	No	6		
	(j) Traffic cones	No	100		
	(n) Provision of high visibility safety jackets and safety hats	No	10		
15,05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations				
	(a) Temporary deviations (Provisional. Only where ordered)	m³	215		
15,06	Watering of temporary deviations to suppress dust for the duration of the project	Prov Sum	50000	3,50	175 000,00
15,07	Blading by road grader of:				
	(b) Existing roads used as temporary deviations	km.pass	255		
15,08	Repairs, alteration and/or additional to existing roads used as deviations	Prov Sum	1	25 000,00	25 000,00
	Allow lump sum for:				

TOTAL S	ECTION 1500 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
BROUGH 1700	T FORWARD CLEARING AND GRUBBING			
17,01	Clearing and grubbing	ha	3,20	
17,02	Removal and grubbing of large trees and tree			
	(a) Girth larger than 1m up to and including 2m	No	2,00	
	(b) Girth larger than 2m up to and including 3m	No	1,00	
	(c) Girth larger than 3m up to and including 4m	No	-	
17,05	Cleaning out of hydraulic structures			
	(a) Pipes with an internal diameter up to and including 750 mm	m³	50,00	
	(b) Pipes with an internal diameter exceeding 750	m³	20,00	Rate only
	(d) Box culverts exceeding 1,5 m vertical dimension	m³	120,00	Rate only
	,		,	,

IOTAL SE	ECTION 1700 CARRIED FORWARD TO SUMMARY	•		
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
300	DAYWORKS			
18,01	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	
18.02	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) Bomad 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 Tippers	h	25.0	
	(i) 10 m3 Tippers	h	25.0	
	(k) Compaction Rollers:			
	(i) Vibrator roller	h	25.0	
	(ii) Tamping roller	h	25.0	
	(iii) Grid roller	h	25,0	

ITEM 21,00	DESCRIPTION DRAINS	UNIT	QTY		
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 exacavation in				
21,04	Impermable backfilling to subsoil drainage	m³	260,00		
21,05	Banks and dykes	m³	720,00		
21,06	Natural permable 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 permable 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		
24.42	(d) Cleaning eyes	no	5,00		
21,13	Concrete caps for sub-soil drain pipes	no m³ km	rate only		
21,15	Overhaul for material hauled in excess of 1.0km free-	ın≃.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		

ITE**	DECODIDATION	11607	A-1	
1TEM 22,00	DESCRIPTION PREFABRICATED CULVERTS	UNIT	QTY	AMOUNT
	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 onli
	750 mm 100D	m	10,00	Rate onli
	900 mm 100D	m	4,00	Rate only
22,05	Portal and rectangualr culverts		,,,,	
,	Complete with Cast-in-situ floor slabs			
	(a) 750 x 750mm concrete class S	m	16,00	
	b) 900x450mm concrete class S		30,00	Rate onl
		m		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 :			

CARRIED FORWARD	<u> </u>		
DESCRIPTION	UNIT	QTY	AMOUNT
GHT FORWARD	1 0.111	3 (11	-unconti
(i) For pipe culverts of the following diameters:			
(1) 600mm dia.	No	7	Rate only
(2) 900mm dia.	No	5	Rate only
(ii) For Portal box culverts of the following sizes:			
(1) 750x750mm	No	6	Rate only
(2) 900x450mm	No	6	Rate only
(3) 900x600mm	No	8	Rate only
(4)1200x900mm	No	5	Rate only
(1)-2-53.655		ŭ	, tate only

TOTAL S	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	51111	211	Allicont
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	

TOTAL S	ECTION 2300 CARRIED FORWARD TO SUMMARY				
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
3100	BORROW MATERIALS				
B31.01	Excess overburden				
	(a) Depth up to and including 0,5m	m³	1 653,00		
	(b) Depth exceeding 0,5m and up to 1,0m	m³	1 225,00		
31,03	Finishing-off borrow areas in (as per borrow pit rehabilitation plans)				
	(b) Intermediate material	ha	0,78		
	(c) Soft material	ha	1,03		
31,04	Compensation to landowners				
	(a) Compensation to landowners	Prov. Sum	1	150 000,00	150 000,00
	(b) Handling cost and profit in respect of sub-item	%	150 000,00		

TOTAL S	EECTION 3100 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	THIOMA
3200	SELECTION,STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS AND CUTTINGS,AND PLACING AND COMPACTING THE GRAVEL LAYERS	UNIT	QIY	AMOUNT
32,01	Providing a crushing and/or screening plant (mobile			
	(a) Single stage crusher	No	1,00	Rate only
	Crushing and screening			
	(b) Single-stage crushing	m³	35000	Rate only
	Removal of oversize pavement material	m³	300	Rate only
	Additional normal grid rolling	m³	5 000,00	Rate only
	Stockpiling material	m³	10 000,00	Rate only
	Monthly Crushing Unit Ps&Gs	Month		

TOTAL	SECTION 3200 CARRIED FORWARD TO SUMMARY			
		LINUT	OTV	AMOUNT
BROUG	DESCRIPTION HT FORWARD	UNIT	QTY	AMOUNT
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 CA	ARRIED FORWARD TO SUMMARY			 _
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
BROUGH	T FORWARD			
33,1	Roadbed preparation and compaction of material			
	(a) Compaction to 90% of modified AASHTO density	m³	2 250,00	Rate only
	(b) Compaction to 93% of modified AASHTO density	m³	2 250,00	
33,12	In situ treatment of base layer			
	(a) In situ treatment by Recycling	m³	6 980,00	
	(b) In situ treatment by blasting	m³	21,00	
33,13	Finishing-off cut and fill slope, medians and interchange areas			
	(a) Cut slopes	m²	1 025,00	
	(b) Fill slopes	m²	255,00	
33,2	Overhaul of material hauled in excess of free-haul distance of 1.0km	m³-km	3 000,00	

TOTAL SI	ECTION 3300 CARRIED FORWARD TO SUMMARY			
ITEM 34.00	DESCRIPTION PAVEMENT LAYERS OF GRAVEL MATERIAL	UNIT	QTY	AMOUNT
34,01	Pavement layers constructed from gravel taken from cut or borrow, including free haul up to 1,0 km			
	(a) (i) Lower selected gravel layer compacted to 93% of Mod AASHTO density (150mm)	m³	Rate only	
	(ii) Upper selected gravel layer compacted to 95% of Mod AASHTO density (150mm)	m³	Rate only	
	(d) G5 gravel subbase (unstabilised material) compacted to 95% of Mod AASHTO density (150mm)	m³	6 090,00	
	(e) G5 gravel base (unstabilised material) compaction to 98% of Mod AASHTO density (150mm)	m³	6 090,00	
	(g) (ii) Gravel shoulders compacted to 95% of Mod AASHTO density (150mm layers)	m³	1 650,00	
34,02	Extra over item 34.01 for excavation of material in:			
	(b) Hard excavation	m³	350,00	
34,02	Extra over item 34.01 for using added crushed-stone material:			

TOTAL	SECTION 3400 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
35.00	STABILISATION			
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	
	PATCHING AND REPAIRING EDGE BREAKS			
	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	
	ASPHALT SURFACING			
12,02	Asphalt surfacing			
	(a) Asphalt surfacing material	m²	40600	
	(dens grade, 30mm thick)			
12,04	Tack coat			
	30% stable grade emulsion @ 0,5l/m²	liter	20300	
	Installation of speed humps as per approved design.	No	10	

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 SF	CTION 5200 CARRIED FORWARD TO SUMMARY			

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
5600	ROAD SIGNS			
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	rate only
	(iii) 175mm minimum dia CCA Treated	m	100,00	Rate only
56,05	Excavation and backfilling for road sign supports	m³	70	rate only
30,03	(not applicable to kilometre posts)		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	
TOTALS	ECTION 5600 CARRIED FORWARD TO SUMMARY			
. 51,712 0	OOOO OLD OTTO AD TO GOININANT			

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
5700	ROAD MARKINGS	51.11.	ζ	Pallociti
57,02	Retro-reflective road marking paint			
	(a) White lines (broken or unbroken)			
	(1) 100mm wide	km	5,50	
	(3) 200mm wide	km	1,00	
	(b) Yellow lines (broken or unbroken)			
	(1) 100mm wide	km	2,20	
	(d) White lettering and symbols	m²	60,00	
	(e) Yellow lettering and symbols	m²	20,00	
	(f) Transverse lines, painted island and arrestor bed markings (any colour)	m²	10,00	
57,06	Setting out and premarking the lines (Excluding traffic-island markings, lettering and symbols)	km	5,50	
TOTALS	ECTION 5700 CARRIED FORWARD TO SUMMARY			
TOTALS	PECTION OF CHIMIED FORWARD TO SUMMARY			<u> </u>

ITEM	DESCRIPTION	UNIT	QTY	AMOUNT	_
5900	FINISHING THE ROAD AND ROAD RESERVE	UNIT	QIY	AMOUNT	-
3300	AND TREATING OLD ROADS				
	AND I REATING OLD ROADS				
59,01	Finishing road and road reserve				
59,01	Finishing road and road reserve				
	(b) single carrigeway road	Luce	5.50		
	(b) single carrigeway road	km	5,50		
TOTAL S	ECTION 5900 CARRIED FORWARD TO SUMMARY	_			
ITEM	DESCRIPTION	UNIT	QTY		

7300	CONCRETE BLOCK PAVING FOR ROADS			
73,01	Concrete block paving	m²	36 600,00	Rate only
73,02	Cast in situ concrete edge beams	m³	305,00	Rate only
TOTAL SI	ECTION 7300 CARRIED FORWARD TO SUMMARY DESCRIPTION	UNIT	QTY	
	52001(II 1101 1	5.111	Q I I	 ļ

8100	TESTING MATERIALS AND WORKMANSHIP				
81,02	Other special tests requested by the engineer	Prov. Sum	1	300 000,00	300 000,00
81,02(a)	Contractor attendance and Profit	sum	300 000,00		
TOTAL SE	CTION 8100 CARRIED FORWARD TO SUMMARY				

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SECTION	METHOD	DESCRIPTION	AMOUN
		SCHEDULE A: ROADWORKS	
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	LIC	Clearing and Grubbing	
1800		Dayworks	
2100	LIC	Drains	
2200	LIC	Prefabricated Culverts	
2300	LIC	Concrete Kerbing, Channelling, Chutes, Down Pipes and Concrete Lining	
3100	LIO	Borrow Materials	
3200		Selection, Stockpiling and Break-down the Material from Borrow Pits, Cuttings nd Existing	
0200		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	
IBTOTAL 1			
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JBTOTAL 2	<u> </u>		
T @ 15%			