ITE NA	DESCRIPTION	LINDT	OTV!	RATE	AMOUNT
17EM 1200	GENERAL REQUIREMENTS AND PROVISIONS	UNIT	QTY	RATE	AMOUNT
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) Provisional 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	60 000,00	60 000,00
	(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	%	60 000,00		
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		
T0=::	50T/01/4000 0.4 DE '				
IOTAL S	ECTION 1200 CARRIED FORWARD TO SUMMARY				

1300	CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATION			
13,01	The contractor's general obligations			
	(a) Fixed obligations	L/sum	1,00	
	(b) Value related obligations	L/sum	1,00	
	(c) Time related obligation	Month	4,00	
TOTAL SE	CTION 1300 CARRIED FOWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT

	DESCRIPTION	UNIT	QTY	
TOTAL (	CARRIED FORWARD			
	(xvii) Floodlights complete with poles and 500 Watt minimum globes	No	4,00	
	(xvi) Steel plan cabinets	No	1,00	
	(xv) Refrigerator	No	2,00	
	(xiv) Steel filing cabinets with drawers	No	2,00	
	(xiii) General purpose steel cupboards with shelves	No	2,00	
	(xii) Curing chamber for UCS specimen, complete complete with water connection, including the provision	No	-	
	(xi) heater, space-heating type, minimum capacity 1,5kw	No	-	
	(x) Air conditioning units with 2,2 kw minimum capacity, mouted and with a suitable power point connection	No	4,00	
	(ix) Fire extinguishes 2,5 kg bef type, complete	No	4,00	
	(viii) Extractor fans installed complete with own power connections	No	1,00	
	(vii) Laboratory basin complete with swanneck taps	No	-	
	(vi) Hand wash basin complete with taps and drains	No	2,00	
	(v) Single incandescent light fittings complete with	No	3,00	
	(iv) Double 55 watt fluorescent light fittings complete	No	3,00	
	iii) Double 80 watt fluorescent light fitting complete	No	4,00	
	(ii) 400/231 volt 3-phase power points	No		Ra
	(i) 220/250 volt power points	No	3,00	
	(a) Items measured by number			
4.03	Offices and laboratory fittings installation and equipment			
	(f) Conference tables	No	1,00	
	(e) Drawing tables	No	1,00	
	(d) Desk, complete with drawers and locks	No	4,00	
	(c) High chair for laboratory	No	2,00	
	(b) Draughtsman's stools	No	2,00	
	(a) chair	No	20,00	
4,02	Office and laboratory furniture			
	(f) Stores	m²	18,00	
	(e) Ablution units	m²	12,00	
	(d) Roofs over open concrete working floors	m²	240,00	
	(c) Open concrete working floors,150mm thick	m²	240,00	
	(b) Laboratories interior floor space only)	m²	160,00	
	(a) Office (interior floor space only)	m²	40,00	
4,01	Office and laboratory accommodation			

ITEM	DESCRIPTION T FORWARD	UNIT	QTY	AMOUNT
		111117	OTV	1
TOTAL SE	ECTION 1400 CARRIED FORWARD TO SUMMARY			
14,10	Provision for Photostat (with scanner) facility	Month PS	12,00	
	(2) Running costs	Month	12,00	
	(1) Fixed cost	Lump	1,00	
	(a) Services at offices and laboratories			
14,08	Services			
	(c) Allow cellfone airtime and data for the Engineer	Month PS	12,00	
	(b) Handling costs and profit in respect of subitem 14.07 (a)	%	12.00	
	hotel or other accommodation as described in subclause 1403 (c)(ii)			
14,07	Rented, hotel and other accommodation  (a) Provisional sum for providing rented housing,	Month PS	12,00	
	(a) car ports, as specified at offices and laboratory	No	4,00	
14,04	Car ports			
	(vi) Venetian blinds	m²	16,00	
	(vi) Roller blinds, opaque type	m²	12,00	
			40.00	Nate of the
	(v) Foundations for laboratory equipment	m²		Rate on
	(iii) Work-benches complete with wooden top, minimum thickness 25mm (iv) Constant Temparature baths of Concrete	m² m²		Rate onl
	(ii) Work-benches complete with wooden top, minimum thickness 75mm	m²		Rate onl
	(i) Shelving as specified complete with brackets	m²		Rate on
		2		
	including gas-storage cylinders (c) Items measured by area	Sum		
	(ii) Provision of low pressure gas installation,	Lump	_	Rate on
	(i) Provision of 400/231 volt 3-phase electrical power installation, including all wiring, switchboards,	Lump Sum	1,00	
	(b) Prime cost items measured and paid by lump sum			

ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
TOTAL S	SECTION 1500 CARRIED FORWARD TO SUMMARY				200 000,00
	Allow lump sum for:				
15,08	Repairs, alteration and/or additional to existing roads used as deviations	Prov Sum	1	25 000,00	25 000,00
	(b) Existing roads used as temporary deviations	km.pass	255		
15,07	Blading by road grader of:				
	for the duration of the project				
15,06	Watering of temporary deviations to suppress dust	Prov Sum	50000	3,50	175 000,00
	(a) Temporary deviations (Provisional. Only where ordered)	m³	512		
15,05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations				
15.05	(n) Provision of high visibility safety jackets and safety hats	No	10		
	(j) Traffic cones	No	100		
	CLOSED types)		, and the second		
	(i) Moveable barricades (chevron and ROAD	No	6		
	(h) Danger plates and delineators	No	300		
	(f) Road signs, W& TW- serie,1200mm sides	No	30		
	(e) Road signs, R & TR- series,1200mm in diameter	No	30		
	(d) Amber flicker lights	No	6		
	(b) Portable stop and go signs	No	4		
	(a) Flagmen	m.day	1250		
15,03	Temporary traffic control facility				
	(c) Cut to spoil (Provisional. Only where ordered)	m³			Rate only
	(b) Cut and borrow to fill (Provisional. Only where ordered)	m³	1200		Rate only
	(a) Shaping of temporary deviations (Provisional. Only where ordered)	km	1,02		
15,02	Earthworks for temporary deviations including freehaul up to 1.0km		4.00		
15.00	deviations for the duration of the project				
15,01	Accommodating traffic and maintaining temporary	km	2,00		
15,00	ACCOMMODATION OF TRAFFIC				

7,01	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	4,00	
	(b) Girth larger than 2m up to and including 3m	No	6,00	
	(c) Girth larger than 3m up to and including 4m	No	2,00	
7,05	Cleaning out of hydraulic structures			
	(a) Pipes with an internal diameter up to and including 750 mm	m³	10,00	Rate only
	(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
TOTAL C	FOTION 4700 CARRIED FORWARD TO CHILDREN			
TOTAL SI	ECTION 1700 CARRIED FORWARD TO SUMMARY			l
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
1800	DAYWORKS			
1800 D18,01				

	(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			
		L .	25	
	(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  (e) Cat 930 Loader or equivalent	h	25.0	
	(f) Hand controlled compactors:	h	25.0	
	(i) Bomaq BW90 Pedestrian roller or equivalent	h	25.0	
	(ii) Vibratory 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	
TOTAL SE	CTION 1800 CARRIED FORWARD TO SUMMARY			
		11407	OTV/	1
1TEM <b>21,00</b>	DESCRIPTION DRAINS	UNIT	QTY	AMOUNT
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	1 335,00		
	(2) 1,5m up to 3.0m	m³	350,00	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		90		
	(b) Extra over subitem 21,03 (a) for exacavation in				
21,04	Impermable backfilling to subsoil drainage	m³	80,00		
21,05	Banks and dykes	m³	65,00		
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	290,00		
21,07	Natural permable material in submoil drainage				
	(b) Sand Commercial sources				
	(1) Coarse Grade	m³	320,00		
21,08	Pipes in subsoil drainage systems:				
21,00	(b) Unplasticised PVC pipes and fittings, normal duty				
	(b) Oripiasticised F vC pipes and fittings, normal duty				
	(1) 150mm internal dia. Perforated.	m	600,00		
21,09	Polyethylene sheeting 0.15mm tick, or similar,	m²	460,00		
21,1	Synthetic-fibre filter fabric (Grade A2 or equivalent)	m²	440,00		
21,12	Concrete/brick work outlet structures,manhole boxes		440,00		
21,12	Consisting work outlet at actual co, maintain sic source				
	(a) Outlet Structures	no	2,00		
	(c ) Junction boxes	no	6,00		
	(d) Cleaning eyes	no	7,00		
21,13	Concrete caps for sub-soil drain pipes	no	rate only		
21,15	Overhaul for material hauled in excess of 1.0km free-		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	89,00		
TOTAL S	ECTION 2100 CARRIED FORWARD TO SUMMARY				
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
22,00	PREFABRICATED CULVERTS	51111	Qil		AWOUNT
	Excavation				

	(1) 600mm dia.	No	7	Rate only
BROUG	HT FORWARD (i) For pipe culverts of the following diameters:			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
TOTAL	CARRIED FORWARD			
	J			
-	(c) Cast-in-situ inlet and outlet structures including :			
22,17	Manholes, catchpits, precast inlet and outlet			
	(b) Reinforced concrete	m³	41,00	
	(a) Plain concrete	m³	41,00	
22,12	Removing existing concrete (including existing pipes which cannot be re-used)		-	
	(f) 2400 x 2400mm Concrete class s	m	30,00	Rate only
	( e) 1800 x 1800mm Concrete class s	m	30,00	Rate only
	(d)1200x900mm concrete class S	m	180,00	Rate only
	(c) 900x600mm concrete concrete class S	m	45,00	
	b) 900x450mm concrete class S	m	30,00	Rate only
	(a) 750 x 750mm concrete class S	m	300,00	Rate only
	Complete with Cast-in-situ floor slabs			
22,05	Portal and rectangualr culverts			
	900 mm 100D	m	28,00	Rate only
	750 mm 100D	m	10,00	Rate only
	600 mm 100D	m	42,00	Rate only
	(c) On a class B bedding			
22,03	Concrete pipe culverts			
	(c) Extra over sub items 22.01(a)and (b) for soil cement backfilling with 5% cement	m³	400,00	
	(b) Using imported selected material	m³	300,00	
	(a) Using the excavated material	m³	238,20	
22,02	Backfilling:			
	(b) Extra over subitem 22.01(a) for excavation by hand	m³	150,00	
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m³	88,20	
	(3) Exceeding 3,0 m and up to 4,5 m	m³	-	Rate only
	(2) Exceeding 1,5 m and up to 3,0 m	m³	252,00	
	(1) 0 m up to 1.5 m	m³	189,00	
	following depth ranges below the surface level:			

ITEM	DESCRIPTION CONCRETE KERBING, CONCRETE	UNIT	QTY	AMOUNT
TAL SE	ECTION 2200 CARRIED FORWARD TO SUMMARY			
	(4)1200x900mm	No	5	Rate only
	(3) 900x600mm	No	8	Rate only
	(2) 900x450mm	No	6	Rate only
	(1) 750x750mm	No	30	Rate only
	(ii) For Portal box culverts of the following sizes:			

	(a) Precast kerbing to SABS 927			
	(i) Figure 8b (mountable) kerb on concrete bed	m	2 800,00	
	(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	2 500,00	Rate only
23,03	Cast in-situ concrete chutes (measured by components)			
	(a) Concrete			
	(1) Class 25/19	m³	150,00	Rate only
	(b) Formwork			
	(1) Smooth	m²	150,00	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	66,00	
	(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	
	(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	2,30	
	(c) Welded steel fabrics	t	300,00	Rate only
23,13	Polyethylene sheeting (0,15mm thick) for concrete- lined open drains	m²	522,00	
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	

		ı			
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			90 000,00	90 000,00
		Prov. Sum	1		
	(b) Handling cost and profit in respect of sub-item	%	90 000,00		
TOTAL S	ECTION 3100 CARRIED FORWARD TO SUMMARY				90 000,00
ITEM	DESCRIPTION	UNIT	QTY		AMOUNT
3200	SELECTION,STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS AND CUTTINGS,AND PLACING AND COMPACTING THE GRAVEL LAYERS				
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	3000	Rate only
		m³	5 000,00	Rate only
	Additional normal grid rolling			
	Stockpiling material	m³	10 000,00	Rate only
	Monthly Crushing Unit Ps&Gs	Month		
TOTAL SI	ECTION 3200 CARRIED FORWARD TO SUMMARY			
ITEM BROUGH	DESCRIPTION T 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	1 687,50	
	(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	30,00	
	(c) Boulder excavation class A	m³	12,00	
	(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	337,50	
	(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			,
00,01	(a) In layer thickness of 200mm and less:	m³	225,00	
	(b) In layer thickness exceeding 200mm	m³	1 500,00	Rate only
TOTAL (	CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
	HT FORWARD			
33,1	Roadbed preparation and compaction of material			
	(a) Compaction to 90% of modified AASHTO density		5 000,00	Rate only
	(b) Compaction to 93% of modified AASHTO density	m³	1 890,00	

33,12	In situ treatment of roadbed			
	(a) In situ treatment by ripping	m³	1 575,00	
	(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	2 051,00	
	(b) Fill slopes		255,00	
33,2	Overhaul of material hauled in excess of free-haul	m²	3 375,00	
33,2	distance of 1.0km	m³-km	3 37 3,00	
TOTAL SE	ECTION 3300 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	AMOUNT
34.00	PAVEMENT LAYERS OF GRAVEL MATERIAL	2.2	2,1	, uno on i
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	2 100,00	
	(ii) Upper selected gravel layer compacted to 95% of Mod AASHTO density (150mm)	m³	2 100,00	

ı				
	(d) G5 gravel subbase (unstabilised material) compacted to 95% of Mod AASHTO density (150mm)	m³	2 100,00	
	(e) G5 gravel base (unstabilised material) compaction to 98% of Mod AASHTO density (150mm)	m³	2 100,00	
	(g) (ii) Gravel shoulders compacted to 95% of Mod AASHTO density (150mm layers)	m³	Rate Only	Rate Only
34,02	Extra over item 34.01 for excavation of material in:			
	(b) Hard excavation	m³	32,00	
34,02	Extra over item 34.01 for using added crushed-stone material:			
TOTAL SI	ECTION 3400 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	 AMOUNT
<b>35.00</b> 35,01	STABILISATION  Chemical stabilisation extra over unstabilized			
,	(a) Sub-Base and Base			
	(1) 150mm thickness	m³	4 200,00	
35,02	Chemical stabilizing agent			
	(a) Ordinary portland cement (CEM 11 32.5)	t	289,80	

		ı		
35,04	Provision and application of water for curing (for the period of curing)	kl	392,00	
35,10	Extra over item 35.01 for chemical stabilisation in restricted areas:			
	(b) In situ mixing	m³	1 500,00	
35,13	Extra over items 35.01 and 35.07 for trial sections	m³	350,00	
	ASPHALT SURFACING			
42,02	Asphalt surfacing (a) Asphalt surfacing material (dens grade, 30mm thick)	m²	13 200,00	
42,04	Tack coat 30% stable grade emulsion @ 0,5l/m²	liter	6 600,00	
42,05	Installation of speed humps as per approved design.	No	7,00	
TOTAL SE	ECTION 3500 CARRIED FORWARD TO SUMMARY			
ITEM <b>5200</b>	DESCRIPTION GABIONS	UNIT	QTY	AMOUNT
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	25,00	
	(c) Galvanised gabion mattresses-Various sizes			
	(1) 6x2x0.3m (Mesh Type 60, with 2,2/3,2mm dia.	m³	22,00	
52,04	Filter fabrics			
	Bidum U24 or similar approaved	m²	5 000,00	Rate only
TOTAL OF	ECTION 5300 CARRIED FORWARD TO CUMMARDY			
ITEM	ECTION 5200 CARRIED FORWARD TO SUMMARY  DESCRIPTION	UNIT	QTY	AMOUNT
5600	ROAD SIGNS	UNIT	QIY	AMOUNT
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	230,00	

	ii) Area exceeding 2m² but not exceeding 10m²	m²	35,00	
	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	200,00	
	(b) Lettering Symbols, numbers, arrows, emblems			
	(iii) Class IV (Micro-Prismatic)	m²	36,00	
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	1 000,00	
	(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	60	
56,07	Extra over item 56.05 for rock excavation	m³	100	
TOTAL S	ECTION 5600 CARRIED FORWARD TO SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY	 AMOUNT
5700	ROAD MARKINGS			
57,02	Retro-reflective road marking paint			
	(a) White lines (broken or unbroken)			
	(1) 100mm wide	km	3,10	
	(3) 200mm wide	km	0,50	
	(b) Yellow lines (broken or unbroken)			
	(1) 100mm wide	km	2,25	
I				

	(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	3,10	
	3, 3, 7			
	SECTION 5700 CARRIED FORWARD TO SUMMARY			
ITEM <b>5900</b>	FINISHING THE ROAD AND ROAD RESERVE	UNIT	QTY	 AMOUNT
	AND TREATING OLD ROADS			
59,01	Finishing road and road reserve			
	(b) single carrigeway road	km	1,80	
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TOTAL SE	CTION 5900 CARRIED FORWARD TO SUMMARY DESCRIPTION			
1TEM <b>7300</b>	DESCRIPTION  CONCRETE BLOCK PAVING FOR ROADS	UNIT	QTY	
73,01	Concrete block paving	m²	36 600,00	Rate only
73,02	Cast in situ concrete edge beams	m³	305,00	Rate only
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TOTAL SE	CTION 7300 CARRIED FORWARD TO SUMMARY	l			
ITEM 8100	DESCRIPTION TESTING MATERIALS AND WORKMANSHIP	UNIT	QTY		
81,02	Other special tests requested by the engineer	Prov. Sum	1	50 000,00	50 000,00
81,02(a)	Contractor attendance and Profit	sum	50 000,00		

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TOTAL SE	ECTION 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		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	2.0	Finishing the Road Reserve and Treating Old Roads	
7300	LIC	Concrete Block Paving for Roads	
8100		Testing Materials and Workmanship	
UBTOTAL 1			
DD 10% CO	NTIGENCY		
UBTOTAL 2			
			_
'AT @ 15%			