

**Contract 1**

## Schedule 1

## SECTION 1200: GENERAL REQUIREMENTS AND PROVISIONS

Item	Description	Unit	Quantity	Rate	Amount R
1200	SECTION 1200: GENERAL REQUIREMENTS AND PROVISIONS				
B12.04	Daywork				
	(a) Labour	hr	1		Rate Only
	(b) Foreman	hr	1		Rate Only
	(c) Artisans	hr	1		Rate Only
	(d) Air compressor, 4m3/min, complete with drills, jackhammers, etc.	hr	1		Rate Only
	(e) Pump including all necessary hoses	hr	1		Rate Only
	(f) Truck as follows:		1		
	(i) Truck (3-5t) with operator	hr	1		Rate Only
	(ii) Truck (6-10t) with operator	hr	1		Rate Only
	(g) Concrete mixer 0.5m3	hr	1		Rate Only
	(h) Vibrating roller (BM 60) Compactor, 0,6m wide	hr	1		Rate Only
	(i) Front end loader with operator, 0,8m3	hr	1		Rate Only
	(j) Backactor with operator, 0,3m3	hr	1		Rate Only
	(k) Watercart, 500l	hr	1		Rate Only
	(l) Survey assistant	hr	1		Rate Only
	(m) (i) Allow a provisional sum for purchase of materials	Sum	1		Rate Only
	(ii) Handling cost and profit in respect of subitem B22.04 (m)(i)	%			Rate Only
12.07	Supply and erect of contract name board complete	No	1,0		
12.09	Accredited & Non Accredited Training				
	(a) Training	Prov sum	1,0	150 000,00	R 150 000,00
	(b) Handling cost and profit on (a)	%	150 000,00		
12.10	Community Liason Officer				
	(a) CLO Costs (at R3500/month)	Prov sum	1,0	10 500,00	R 10 500,00
	(b) Handling cost on 12.10 (a & b)	%	10 500,00		
12.11	Renumaration for PSC Meetings (R350/Meeting)	Prov sum	1,0	6 300,00	R 6 300,00
12.12	Handling cost on item 12.11 above	%	6 300,00		
12.13	Personal Protective Clothing for Engineer and Engineers Staff	Prov sum	1,0	10 000,00	R 10 000,00
	Handling Cost	%	10 000,00		
Total Carried Forward To Summary					

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## SECTION 1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

Item	Description	Unit	Quantity	Rate	Amount R
1300.00	SECTION 1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
B13.01	Contractors general obligations				
	(a) Fixed obligations	L.Sum	1,0		
	(b) Value-related obligations	L.Sum	1,0		
	(c) Time-related obligations	month	3,0		
	(d) Compliance with Health & Safety Act + Environmental Management obligations	month	3,0		
	NOTE: The combined total tendered for item (a) through to (d) above shall not exceed 20% of the Total Tendered Sum for this phase of the project, excluding VAT, Contingency.				
B13.02	Penalties to be deducted from the Contractor:				
	(a) For failing to complete the works on time at R2500/day until all work is complete.	day	0,0	2 500,00	R -
	(b) For non- compliance with requirements for Heath & Safety				
	(i) Fixed sum per occurrence at R 5000/occurrence	No	0,0	5 000,00	R -
	(ii) Time related penalty at R2000/day until compliance	day	0,0	2 000,00	R -
	(c) For non- compliance with requirements for accommodation of traffic				
	(i) Fixed sum per occurrence at R 3000/occurrence	No	0,0	3 000,00	R -
	(ii) Time related penalty at R2000/day until compliance	day	0,0	2 000,00	R -
	(d) For removing plant from site without the consent of the Engineer at R2000/day until plant is back on to site.	day	0,0	2 000,00	R -
B13.03	Other Fixed Obligations - Health & Safety				
	Preparation and submission of H&S file	L.Sum	1,0		
	Principal Contractor's provision of Signane on site in respect of the OHS Act and Safety Regulations	L/sum	1,0		
	Personal Protective Equipment				
	a) Reflective	No	20,0		
	b) Hard hats	No	20,0		
	c) Protective foot wear	No	20,0		
	d) Earplugs	No	20,0		
	e) Dust masks	No	20,0		
	f) Gloves	No	20,0		
	g) High visibility overalls	No	20,0		
	Medical certificate and surveillance	No	20,0		
	Provision of first Aid Box	No	1,0		
	Fire Extinguisher (4,5kg)	No	2,0		
Total Carried Forward					

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SECTION 1400: HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL

Item	Description	Unit	Quantity	Rate	Amount R	
14.00	SECTION 1400: HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL					
14.01	Office and laboratory accommodation:					
	(a) Offices (interior floor space only)	m2	40,0			
	(e) Ablution units	m2	4,0			
14.02	Office and laboratory furniture:					
	(a) Chairs	No	12,0			
	(d) Desks, complete with drawers and locks	No	2,0			
	(e) Drawing tables	No	2,0			
14.03	Office and laboratory fittings, installations and equipment:					
	(a) Items measured by number:					
	(i) Power points	No	4,0			
	(iv) Double 50 watt fluorescent-light	No	2,0			
	( c ) Items measured by area					
	(vii) Venetian blinds	m2	4,0			
	(viii) Notice boards as specified	m2	4,0			
14.04	Services as specified in clause 1404, namely water, electricity, sewerage, etc, etc:					
	(a) Services at offices					
	(i) Fixed costs	L.Sum	2,0			
	(ii) Running costs	month	3,0			
B14.05	Telephones					
	(a) Cost of calls in connection with contract administration	Prov sum	1,0	15 000,00	R	15 000,00
	(b) Handling cost and profit in respect of subitem B14.11 (a)	%	15 000,00			
14.06	Provision for Geotechnical Material Investigation done on site Consultant appointed by Engineer	Prov Sum	1	40000	R	40 000,00
14.07	Provision for Survey and Setting Out Done on site Consultant Appointed by Engineer	Prov Sum	1	25000	R	25 000,00
Total Carried Forward To Summary						

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## SECTION 1500: ACCOMMODATION OF TRAFFIC

Item	Description	Unit	Quantity	Rate	Amount R
15.00	SECTION 1500: ACCOMMODATION OF TRAFFIC				
15.03	Temporary traffic-control facilities:				
	(a) Flagmen	month	3,0		
	(b) Portable STOP and GO-RY signs	No	2,0		
	(d) Amber flicker lights (100 W)	No	1,0		
	(e) Road signs, R- and TR-series (Engineering Grade background)				
	(i) R-series (1200mm diameter)	No	2,0		
	(ii) R-series (triangula - 1500mm sides)	No	2,0		
	(iii) TR-series (1200mm diameter)	No	6,0		
	(f) Road signs, TW-series	No	6,0		
	(g) Road signs, STW-, DTG-, TGS- and TG-series (Engineering Grade background, sizes as spcified for 40km/hr)	m2	0,0		
	(h) Delineators (DTH50J ) ( Size - 1000mm x 250mm including sand bags)				
	(i) Single	No	0,0		
	(ii) Mounted back to back	No	0,0		
	(i) Movable barricade/road sign combination ( size indicated )	No	0,0		
15.15	Provision of traffic safety equipment for useby the Engineer				
	(a) Safety Jackets	No	4,0		
	(b) Amber Flashing lights with magnetic mounts	No	4,0		
Total Carried Forward To Summary					0,00

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## SECTION 1600: OVERHAUL

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## SECTION 2100: DRAINS

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SECTION 2200: PREFABRICATED CULVERTS

Item	Description	Unit	Quantity	Rate	Amount R
22.00	SECTION 2200: PREFABRICATED CULVERTS				
22.01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1,5 m	m³	25,0		
	(ii) Exceeding 1,5 m and up to 3,0 m	m³	10,0		
	(b) Extra-over sub-item 22.01(a) for excavation in hard material, irrespective of depth	m3	10,0		
22.02	Backfilling				
	(a) Using excavated material	m³	25,0		
	(b) Using imported selected material	m³	10,0		
22.03	Concrete pipe culverts				
	(a) On class B bedding				
	(i) 600mm dia. Type 100 D	m	20,0		
	(II) 900mm dia. Type 100D	m	10,0		
22.05	Portal & Rectangular Culverts				
	(b) Without prefabricated slabs (for the sizes stated below)				
	(i) 2100 x 2100 Type 100S	No	0,0		
22.07	Cast in situ concrete & formwork				
	(b) 25Mpa concrete in floor slabs for portal or rectangular culverts, joints and class U2 surface finish	m³	0		
	(c) 25Mpa concrete in inlet and outlet structures, skew ends, catch trust and anchor blocks, including formwork and class U2	m³	0		
B22.08	Concrete backfill for culverts, ducts and other services (15 Mpa)	m³	0,0		
22.10	Steel Reinforcement				
	(b) High-tensile steel bars	t	0,0		
	(iii) Ref: 888	m²	0,0		
22.18	Single Pipe Brick headwall at outlet & inlet ( as per drawing)				
	d) For pipe diameters 600 mm to 900mm	No	4,0		
Total Carried Forward To Summary					

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## SECTION 3300: MASS EARTHWORKS

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## SECTION 3400: PAVEMENT LAYERS OF GRAVEL MATERIAL

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## SECTION 5600: ROAD SIGNS

Item	Description	Unit	Quantity	Rate	Amount R
5600	SECTION 5600: ROAD SIGNS				
56.01	Road sign boards with painted or coloured, semi-matt background,  Symbols, lettering and borders in semimatt black o in Class 1 retro-reflective  material, where the sign board is constructed from:  (c) Sheet steel (chromadek 1.6mm thick)				
	(1) Rectangular area not exceeding 2m2	m²	10,0		
	(2) Octagonal				
	(a) 610mm	No	6,0		
	(3) Triangular				
	(a) 914mm	No	6,0		
	(4) Round				
	(a) 610mm	No	6,0		
56.02	Extra over item 56.01 for using:  (a) Background of retro-reflective material:				
	(i) Engineering grade	m²	10,0		
	(b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
	(i) High intensity grade	m²	10,0		
56.03	Road sign supports: (overhead road sign structures excluded)				
	(a) Steel tubing, 60mm outside diameter, wall thickness 4,0mm,galvanized.	m	10,0		
56.05	Excavation and backfilling for road sign support (not applicable to km posts)	m³	10,0		
56.06	E/O item 56.05 for cement treated soil backfill	m³	10,0		
56.08	Dismantling, storing and re-erecting road signs with a surface area of				
	(a) Up to 2m²	No	10,0		
Total Carried Forward To Summary					

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## SECTION 7100: CONCRETE PAVEMENTS

Total Carried Forward To Summary

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## SECTION 8100: TESTING MATERIALS AND WORKMANSHIP

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SUMMARY OF SECTIONS			
Section	Description		Amount R
1200	SECTION 1200: GENERAL REQUIREMENTS AND PROVISIONS		
1300	SECTION 1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS		
1400	SECTION 1400: HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL		
1500	SECTION 1500: ACCOMMODATION OF TRAFFIC		
1600	SECTION 1600: OVERHAUL		
1700	SECTION 1700: CLEARING AND GRUBBING		
2100	SECTION 2100: DRAINS		
2200	SECTION 2200: PREFABRICATED CULVERTS		
3300	SECTION 3300: MASS EARTHWORKS		
3400	SECTION 3400: PAVEMENT LAYERS OF GRAVEL MATERIAL		
5100	SECTION 5100: PITCHING, STONWORK AND PROTECTION AGAINST EROSION		
5600	SECTION 5600: ROAD SIGNS		
5900	SECTION 5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS		
7100	SECTION 7100: CONCRETE PAVEMENTS		
8100	SECTION 8100: TESTING MATERIALS AND WORKMANSHIP		
	SUBTOTAL		
1	ADD CONTINGENCIES @10% SUBTOTAL		
2	ADD VAT @15%		
Total Carried Forward To Summary Of Schedules			