

PRELIMINARY COST ESTIMATE

PROJECT :Ward 18 GRAVEL ROADS - A -1

SCHEDULE OF QUANTITIES

SECTION A : PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	SANS 1200 A	SECTION A : PRELIMINARY AND GENERAL				
A1	8.3	FIXED CHARGE AND VALUE RELATED ITEMS				
A1.1	8.3.1	Contractual Requirements	Sum	1		
A1.5		Construction Regulations (OHS Act)				
A1.5.1		Preperation of OHS Plan	Sum	1		
A1.5.3		Compliance with Construction Regulations (OHS Act)	Sum	1		
A1.6		Compliance with SANS 1921 - 6 Part 6 HIV/AIDS Awareness. Conduct HIV/AIDS Awareness Programme on site for not less than 90% of the workers inclusive of all direct and indirect costs.	Sum	1		
A1.7	8.3.3	Other fixed-charge obligations	Sum	1		
A2	8.4	TIME-RELATED ITEMS				
A2.1	8.4.1	Contractual Requirements	Sum	1		
	8.4.2	Operate and maintain facilities on the Site for duration of construction, except where otherwise stated.				
A2.2	8.4.2.1	Facilities for Engineer :				
A2.2.2		b) Nameboard (2 No.)	Sum	1		
A2.3	8.3.2.2	Facilities for Contractor				
A2.3.1		(a) Offices and storage sheds	Sum	1		
A2.3.5		(b) Ablution and latrine facilities at the site camp	Sum	1		
A2.3.6		(c) Ablution and latrine facilities at the work site	Sum	1		
A2.3.7		(d) Refuse bins at the site camp	Sum	1		
A2.3.8		(e) Refuse bins at the work site	Sum	1		
A2.3.9		(f) Tools and equipment	Sum	1		
A2.3.10		(g) Water supplies, electric power and communications	Sum	1		
A2.3.11		(h) Dealing with water (Subclause 5.5)	Sum	1		
Carried forward						

ITEM NO	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought forward						
A2.4		m) Construction Regulations (OHS Act)				
A2.4.1		m.1) Compliance with Construction Regulations (OHS Act)	Sum	1		
A2.5		n) Compliance with requirements of the Environmental Management Plan				
A2.5.1		n1) Attend to all matters relating to the implementation and compliance with the EMP for the project except where separately specified.	Sum	1		
A6	8.5	SUMS STATED PROVISIONALLY BY ENGINEER				
A6.2		Acceptance Control Testing by Engineer	PC Sum	1		2 500.00
A6.2.1		Overheads, charges and profit on item A3.3 above	%			
A6.8.5		Roads material tests	PC Sum	1		2 500.00
A6.8.6		Attendance and profit	%			
PSA 8.14		Provision of Community Liaison Officer (CLO)	Prov Sum	1		10 000.00
A7		TEMPORARY WORKS				
A7.1	8.8.1	Provide access to all sites and maintain during the course of the contract period	Sum	1		
A7.2.	8.8.2	Dealing with traffic	Sum	1		
	8.8.4	Existing services				
A7.3		Excavate by hand to locate and expose existing services and to backfill excavation	m ³	5		
TOTAL CARRIED TO SUMMARY						

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PROJECT :Ward 18 GRAVEL ROAD - A - 1 (3.0m Width x 160m Length)

SECTION CONCRETE ROAD AND STORM WATER

ITEM NO	PAYMENT REFERS TO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B. 2	SANS 1200DM	PAVEMENT LAYERS FOR CONCRETE AND PAVERS				
	8.3.3	TREATMENT OF ROAD-BED				
B. 2.1	8.3.3 (a)	- road-bed preparation (150 mm thick) and compaction of material to 93% Mod. AASHTO density	m³	72.00		
	8.3.7	CUT TO SPOIL (WITHIN THE FREE HAUL DISTANCE)				
B. 2.5	8.3.7 (a)	- soft excavation	m³	81.60		
B. 2.7	8.3.12	- Overhaul on materials hauled in excess of 1.5km (ordinary overhaul)	m³-km	816		
B. 3	SANS 1200ME	SUBBASE				
B. 3.1	8.3.3	CONSTRUCT GRAVEL SUBBASE LAYERS WITH IMPORTED MATERIALS:				
B. 3.3		- construct 150mm layer with G7 material compacted to 95% MOD AASHTO MAXIMUM DENSITY)	m³	72		
B. 6	SANS 1200 GB	CONCRETE FOR GRAVEL ROAD				
	8.2	FORM WORK				
	8.2.1	Form work to cast Insitu concrete for Driveway	m²	13		
	8.2.4	REINFORCEMENT High-Tensile Welded Mesh Welded Mesh Ref 617	t	1		
	8.2.5.1	CONCRETE FOR CHANNELS AND DRIVE WAY				
B. 6.1	i)	- Cast insitu concrete class 25/19 for 170mm Concrete Driveway (refer to Drwg 400)	m³	89		
	ii)	Cast insitu concrete class 15 for 50mm Concrete For grouting	m³	24		
	8.2.6	-				
		- Class wood - floated surface finish for to cast insitu concrete for Concrete Gravel Road Section	m²	480		
	8.2.8	- Construction Joints	m	96		
TOTAL CARRIED TO SUMMARY						

PRELIMINARY COST ESTIMATE

PROJECT : GRAVEL ROAD

SUMMARY OF SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT
SECTION A	PRELIMINARY AND GENERAL	
SECTION B	CONCRETE ROAD	
	TOTAL OF CIVIL WORKS	
	Contingencies (Add 10%)	
	SUB TOTAL	
TOTAL ESTIMATE	VAT at 15%	
	GRAND TOTAL	