

RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

BILL OF QUANTITIES

SECTION 1 PRELIMINARY AND GENERAL

PART AA PRELIMINARIES

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Contractor's Fixed Obligation</u>				
1	PS. AB.12	(a) For re-graveling and associated works	sum	1		
2	PS. AB.12	(b) For Low Volume Gravel Roads Upgrade Programme (LVGRUP) and associated works	sum	1		
3	PS. AB.12	Re-establishment for LVGRUP (including de-establishment)	no.	2		
		<u>Contractors superintendance including transport and communication</u>				
4	PS.AB.8	(a) For re-graveling and associated works	months	36		
5	PS.AB.8	(b) Extra Over for Low Volume Gravel Roads Upgrade Programme (LVGRUP) and associated works	months	18		
6	PS.AB.9	Provision for C.L.O. as per engineers instruction (Proof of hours worked to be attached to monthly claim)	PC Sum	800000	1.00	800,000.00
		<u>Accommodate traffic as per the Southern African Development Community Roads Traffic Manual Volume 2 and in accordance with RTI at all times. This item also includes for the provision of all signs, traffic cones, delineators and flagmen as required for each road.</u>				
7	PS. AB.10	(a) For re-graveling and associated works	months	36		
8	PS. AB.10	(b) For Low Volume Gravel Roads Upgrade Programme (LVGRUP) and associated works	months	18		
9	PS. AB.11	Penalty for failure to comply with item 7 and/or 8 above	RateOnly	0		RATE ONLY

TOTAL CARRIED TO SECTION 1 SUMMARY: PRELIMINARY AND GENERAL

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

PART AH OCCUPATIONAL HEALTH and SAFETY

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations. Included in this item is the supply of all personal protective equipment (PPE) required to perform on works i.e. Uniform, safety shoes, safety vest, gloves etc.</u>				
1	AH.14.1	(a) For re-graveling and associated works	sum	1		
2	AH.14.1	(b) For Low Volume Gravel Roads Upgrade Programme (LVGRUP) and associated works	sum	1		
		<u>Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations, including compliance with PPE (ensuring that all personnel are properly clad and equipped to perform on works at all times for the duration of the contract.</u>				
3	AH.14.2	(a) For re-graveling and associated works	sum	1		
4	AH.14.2	(b) For Low Volume Gravel Roads Upgrade Programme (LVGRUP) and associated works	sum	1		
		<u>Submission of the Health and Safety File (to be approved by the clients Health and Safety officer before works hand over).</u>				
5	AH.14.3	Submission of Health and Safety file (to be approved by clients health and safety officer before works hand over)	sum	1		
6	PS. AB.11	Penalty for failure to comply with item 3 and/or 4 above	RateOnly	0		RATE ONLY

TOTAL CARRIED TO SECTION 1 SUMMARY: PRELIMINARY AND GENERAL

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 2 CLEARING AND GRUBBING

PART B SITE CLEARANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	B.8.2	General clearance and grubbing	m2	15000		
2	B.8.4	Removal and grubbing of large trees and stumps	no.	20		
3	B.8.5	Removal of existing fences	m	400		
4	PS.B.8.23	Removal of boundary hedging	m	100		
5	B.8.9	Removal of brickwork	m3	50		
6	B.8.10	Removal of unreinforced concrete	m3	10		
7	B.8.11	Removal of reinforced concrete	m3	20		
8	PS.F.8.10	Re-instate fencing	m	400		
9	PS.B.8.15.5	Removal of existing asphalt surfacing	m3	200		

TOTAL CARRIED TO SECTION 2 SUMMARY: CLEARING AND GRUBBING

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 3 DRAINS AND SUBSOIL DRAINAGE

PART AB GENERAL SPECIFICATIONS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS. AB.13	Repairs up to 16mm Ø HDPE water pipes including supply of all materials	no.	500		
2	PS. AB.13	Repairs from 17 to 28mm Ø HDPE water pipes including supply of all materials	no.	200		
3	PS. AB.13	Repairs to 50mm Ø HDPE water pipes including supply of all materials	no.	20		
4	PS. AB.14	Lowering up to 16mm Ø HDPE water pipes to a depth of 800mm including supply of all materials	m	500		
5	PS. AB.14	Lowering of 17 to 28mm Ø HDPE water pipes to a depth of 800mm including supply of all materials	m	300		
6	PS. AB.14	Lowering of 50mm Ø HDPE water pipes to a depth of 800mm including supply of all materials	m	100		

TOTAL CARRIED TO SECTION 3 SUMMARY: DRAINS AND SUBSOIL DRAINAGE

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PART DC EARTHWORKS FOR CONCRETE LINED CANALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Excavating soft material situated within 0-1.5m depth:</u>				
1	DC.8.2	(a) to stockpile	m3	500		
2	DC.8.2	(b) to spoil	m3	250		
3	DC.8.2	Extra over item (a) and (b) above for excavating in hard material	m3	50		
		<u>Backfilling and compacting</u>				
4	DC.8.3	(a) Using excavated material (from stockpile)	m3	300		
5	DC.8.3	(b) Using imported material (including haulage)	m3	200		
6	DC.8.3	(c) Extra over subitems (a) and (b) for soil cement backfilling (2% cement)	m3	10		
7	PS.GM.4	Supply and construct subsoil drain as per Drawing No.:38575, including test flushing and excavation in all materials, complete.	m	150		
		<u>Concrete lining for open drains</u>				
8	PS.C.8.4	Cast insitu concrete lining (20 Mpa / 19mm) v-drains (Class 2 surface finish to cast insitu concrete v-drains)	m3	500		

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Part Continued PART DC EARTHWORKS FOR CONCRETE LINED CANALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
9	C.8.2	Steel reinforcement (Welded steel mesh Ref 193)	m2	1000		
10	C.8.3	Formwork to cast insitu concrete lining for open drains (class 2 surface finish) to side with formwork on the internal and external faces (each side measured)	m2	200		
11	PS.C.8.5	Expansion joints for concrete lined open v-drains	m	200		

TOTAL CARRIED TO SECTION 3 SUMMARY: DRAINS AND SUBSOIL DRAINAGE

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 4 STORMWATER STRUCTURES

PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>CLEANING OF STORMWATER STRUCTURES</u>				
1	PS.PH.10	Clearing and Grubbing at inlets and outlets of stormwater structures	no.	100		
2	PS.PH.11	Removal of silt and sand by excavation at inlet and outlet structures when required	m3	150		
3	PS.PH.12	Unblocking and cleaning of existing stormwater pipe crossings	m	200		
		<u>CONSTRUCT TYPE 'S1' INLET STRUCTURES TO EXISTING/NEW PIPE CROSSINGS (0 UP TO 1.5M DEPTH), INCLUDING COVER, LID AND SUPPORT BEAMS (AS PER DRAWING NO. 38572)</u>				
4	PH.8.3	450mm diameter pipes	no.	4		
5	PH.8.3	600mm diameter pipes	no.	10		
6	PH.8.3	750mm diameter pipes	no.	4		
7	PH.8.3	900mm diameter pipes	no.	10		
8	PH.8.3	1200mm diameter pipes	no.	2		
9		Extra for additional inlet depth for all pipe sizes	m	10		
		<u>CONSTRUCT TYPE 'S2' INLET STRUCTURES TO EXISTING/NEW PIPE CROSSINGS (0 UP TO 1.5M DEPTH), INCLUDING COVER, LID, SPLAY AND SUPPORT BEAMS (AS PER DRAWING NO. 38572)</u>				
10	PH.8.3	450mm diameter pipes	no.	4		
11	PH.8.3	600mm diameter pipes	no.	10		
12	PH.8.3	750mm diameter pipes	no.	2		
13	PH.8.3	900mm diameter pipes	no.	4		
14	PH.8.3	1200mm diameter pipes	no.	2		
15		Extra for additional inlet depth for all pipe sizes	m	10		
		<u>CONSTRUCT TYPE 'D3' INLET STRUCTURES TO EXISTING/NEW PIPE CROSSINGS (0 UP TO 1.5M DEPTH), INCLUDING COVER, LID, SPLAYS AND SUPPORT BEAMS (AS PER DRAWING NO. 38572)</u>				
16	PH.8.3	450mm diameter pipes	no.	5		

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Part Continued PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
17	PH.8.3	600mm diameter pipes	no.	10		
18	PH.8.3	750mm diameter pipes	no.	2		
19	PH.8.3	900mm diameter pipes	no.	5		
20	PH.8.3	1200mm diameter pipes	no.	4		
21		Extra for additional inlet depth for all pipe sizes	m	10		
		<u>CONSTRUCT TYPE 'A' HEADWALL TO NEW/EXISTING PIPES</u>				
22	PS.PH.8.10	450mm diameter pipes	no.	10		
23	PS.PH.8.10	600mm diameter pipes	no.	50		
24	PS.PH.8.10	750mm diameter pipes	no.	4		
25	PS.PH.8.10	900mm diameter pipes	no.	20		
26	PS.PH.8.10	1200mm diameter pipes	no.	5		
		<u>EXCAVATION FOR STORMWATER PIPE CROSSINGS</u>				
27	DD.8.2	(a) to stockpile	m3	500		
28	DD.8.2	(b) to spoil	m3	300		
29	DD.8.2	(c) extra over for hard material	m3	30		
30	DD.8.2	(d) extra over for rock material	m3	10		
		<u>LOWER EXISTING STORMWATER PIPES INCLUDING EXCAVATION FOR AND REMOVAL OF EXISTING PIPES. EXCAVATION FOR NEW TRENCHES AND BACKFILLING</u>				
31	PS.PG.8.14	(a) 0 to 450 mm diameter	m	15		
32	PS.PG.8.14	(b) 600 mm diameter	m	30		
33	PS.PG.8.14	(c) 750 mm diameter	m	7.5		
34	PS.PG.8.14	(d) 900 mm diameter	m	10		
35	PS.PG.8.14	(e) 1200 mm diameter	m	10		
		<u>SUPPLY AND LAY NEW STORMWATER PIPES</u>				
36	PG.8.2	(a) 450 mm diameter 100D	m	60		
37	PG.8.2	(b) 600 mm diameter 100D	m	225		
38	PG.8.2	(c) 750 mm diameter 100D	m	15		
39	PG.8.2	(d) 900 mm diameter 100D	m	60		
40	PG.8.2	e) 1200 mm diameter 100D	m	22.5		

RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

 Part Continued **PART GM GRAVEL ROAD MAINTENANCE**

Item	Clause	Description	Unit	Quantity	Rate	Amount
41	DD.8.3	Selected fill for stormwater pipes (from borrow)	m3	250		
42	DD.8.3	Backfilling for stormwater pipes (from stockpile)	m3	1000		
43	DB.8.9	Class C bedding	m3	60		
44	DB.8.11	Class A bedding	m3	20		
<u>PRECAST CONCRETE RECTANGULAR PORTAL CULVERTS</u>						
45	PS.AB.15	Stream diversion / Management	no.	4		
46	B.8.2	General clearing and grubbing within servitude	m2	500		
47	B.8.19	Removal of disused pipes, 500-800mm diameter and store on site for re-use	m	50		
48	C.8.1	Grade 40/26 concrete in base slabs, in fills and wing walls	m3	100		
49	C.8.2	High tensile steel	t	10		
50	C.8.3	Class 1 shuttering to base slabs, walls, and edge of slabs	m2	50		
51	C.5.4.5	Class 4 concrete upper surface finish (steel float)	m2	50		
<u>Portal and Rectangular Culverts without prefabricated floor slabs (SANS 986)</u>						
52	PG.8.7	1500 x 1500mm	no.	12		
53	PG.8.7	1800 x 1800mm	no.	12		
54	PG.8.7	2100 x 2100mm	no.	12		
55	PG.8.7	2400 x 2400mm	no.	10		
56	C.8.3	Class 1 shuttering of slot on surface of base for culvert legs	m	150		
57	DD.8.2	Excavate in all material for culvert to stockpile	m3	200		
58	DD.8.3	Backfill and compact using material from stockpile (93% Mod ASSHTO)	m3	100		
59	PS.C.8.5	Expansion joints for mass concrete	m	75		
60	PS.C.8.6	Construction joints	m	50		
61	PS.C.8.7	Cast 15/19 blinding layer (up to 50mm thick)	m2	100		

TOTAL CARRIED TO SECTION 4 SUMMARY: STORMWATER STRUCTURES
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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 5 BULK EARTHWORKS

PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DA.8.3	Excavate (insitu material) cut to fill, gravel material in compacted layer thickness of 150mm, to 93% of modified AASHTO density. Haulage to be included in tendered rate	m3	3000		
2	DA.8.3	Excavate insitu material to spoil including haulage	m3	500		
3	DA.8.4	Import selected fill, including haulage, gravel material in compacted layer thickness of 150mm, to 93% of modified AASHTO density.	m3	500		
4	DA.8.3	Extra over for hard excavation for item 1 and 2 above	m3	80		
		<u>Trimming of embankments and Finishing off cut and fill slopes, medians and interchange areas:</u>				
5	DA.8.6	(a) in cut slopes	m2	2000		
6	DA.8.6	(b) in fill slopes	m2	2000		

TOTAL CARRIED TO SECTION 5 SUMMARY: BULK EARTHWORKS

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 6 CONCRETE SURFACE TO ROADS

PART EM CONCRETE SURFACE TO ROADS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	7100	Supply and lay 30/19 concrete in 2.5x2.5 panels as instructed by Engineer. Longitudinal joints to be dowelled with Y10(deformed bars), 500mm in length @ 750mm intervals. The thickness of the slab is to be 140mm or as instructed by the engineer	m ³	250		

TOTAL CARRIED TO SECTION 6 SUMMARY: CONCRETE SURFACE TO ROADS

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 7 LOW VOLUME GRAVEL ROAD UPGRADE

PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.GM.7	Supply, place and process 150mm (after compaction) G6 gravel selected pavement layer from an approved source including haulage (to 98% MOD AASHTO), grade will be specified by an engineer and road width	m3	15000		
		<u>Roadbed preparation</u>				
2	PS.GM.5	(a) Rip, reshape, process and re-compact to 93% MOD AASHTO full width of existing road surface (up to 6m) to a depth of 150mm, grade will be specified by an engineer and reshaping of existing. Provision of new roadside earth drains and mitre drains (in preparation for upgrades)	km	13		
3	PS.GM.5	(b) Extra over for item (a) above for preparing roads for sealing	km	5		
4	PS.GM.6	(c) Extra over for survey level control for item (a) and (b) above	km	5		
		<u>In situ reconstruction of existing pavement layers</u>				
5	DA.8.4	(a) by supplying, placing and processing G6 gravel selected layer, compacted (as per the attached layerwork design table), in 150mm thick layers (haulage included)	m3	500		
6	EL.8	(b) by supplying and placing dumprock (haulage included)	m3	100		
7	PS.EL.9	A7 Geofabric or equivalent (wrapped around dumprock)	m2	200		
		<u>Road Widening</u>				
8	PS.GM.8	(a) On single side of existing gravel roads up to 1.5m to a depth of 300mm.	km	13		
9	PS.GM.8	(b) On both sides of existing gravel roads up to a total width of 1.5m to a depth of 300mm.	km	6		
10	PS.GM.8	(c) On existing gravel roads up to 1.5m wide in cut situation	m3	300		
11	PS.GM.8	(d) On existing gravel roads up to 1.5m wide in fill situation	m3	300		
12	PS.GM.9	Acceptance testing (when instructed by the engineer)	PC Sum	500000	1.00	500,000.00

TOTAL CARRIED TO SECTION 7 SUMMARY: LOW VOLUME GRAVEL ROAD UPGRADE

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 8 RE-GRAVELING

PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Heavy Re-graveling</u>				
1	PS.GM.5	Rip, shape, process and re-compact full width of existing road surface to (90% Mod AASHTO) to a specified minimum grade % by an engineer and construction of earth side drains and mitre drains.	km	67		
2	PS.GM.10	Supply, place, process and compact 150mm selected gravel pavement layer (G7 quality) from an approved source to 93% Mod AASHTO to a specified minimum grade % by an engineer, including haulage.	m3	12000		
3	PS.GM.10	Supply, place, process and compact 150mm gravel wearing course (G6 quality) from an approved source to (95% Mod AASHTO) to a specified minimum grade % by an engineer, including haulage.	m3	40000		
4	PS.GM.10	Supply, place, process and compact 150mm gravel wearing course (G5 quality) from an approved source to (95% Mod AASHTO) to a specified minimum grade % by an engineer, including haulage.	m3	1000		

TOTAL CARRIED TO SECTION 8 SUMMARY: RE-GRAVELING

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 9 PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION

PART F PROTECTION WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C.8.1	Construct concrete edge beams (class 30MPa/19mm)	m3	25		
2	F.8.4	Supply and lay grouted stone pitching	m2	500		
3	F.8.6	Supply and lay PVC coated gabion boxes	m3	900		
4	F.8.6	Supply and lay PVC coated reno mattresses	m3	100		
5	PS.F.8.9	Supply and lay geofabric for item 3 and 4 (A4 or equivalent)	m2	1500		

TOTAL CARRIED TO SECTION 9 SUMMARY: PITCHING, STONEMWORK AND PROTECTION AGAINST E

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 10 LANDSCAPING AND PLANTING PLANTS

PART F PROTECTION WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Preparing the areas for grassing</u>				
1	B.8.17	(a) Scarifying existing topsoil surfaces to 75mm	m2	5000		
2	F.8.1	(b) Importing 75mm topsoil within the road reserve using topsoil obtained from within the road reserve or borrow areas (freehaul 1.0km)	m2	1000		
3	F.8.3	Hydroseeding of the area with an approved seed mixture	m2	1000		

TOTAL CARRIED TO SECTION 10 SUMMARY: LANDSCAPING AND PLANTING PLANTS

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SECTION 11 DAYWORKS

PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Labour rate for work during normal working hours</u>				
1		(a) Unskilled	hr	50		
2		(b) Skilled	hr	50		
3		(c) Ganger	hr	50		
4		(d) Flagmen	hr	50		
		<u>Labour rate for work outside normal working hours including Saturday</u>				
5		(a) Unskilled	hr	50		
6		(b) Skilled	hr	20		
7		(c) Ganger	hr	20		
8		(d) Flagmen	hr	20		
		<u>Labour rate for work during Sundays and Public Holidays</u>				
9		(a) Unskilled	hr	20		
10		(b) Skilled	hr	15		
11		(c) Ganger	hr	10		
12		(d) Flagmen	hr	10		
		<u>Transport and Equipment</u>				
		<u>a) Tipper trucks</u>				
13		i) 6m3	hr	10		
14		ii) 10 m3	hr	50		
15		b) Loader (1,0 m3) bucket	hr	10		
16		c) Grader (CAT 140 G or similar)	hr	100		
17		d) 10 ton Vibratory roller (Smooth/pad foot)	hr	50		
18		e) Watercart (10 000 l)	hr	50		
19		Walk-behind roller	hr	100		
20		Rammer compactor	hr	20		
21		Dozer (D6 or Similar)	hr	20		
22		Excavator (20 ton)	hr	40		
23		TLB (4X4)	hr	80		

RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

Part Continued PART GM GRAVEL ROAD MAINTENANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
24		Low bed Moves	km	1000		

TOTAL CARRIED TO SECTION 11 SUMMARY: DAYWORKS

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RE-GRAVELING OF GRAVEL ROADS AND PREPARATION WORKS FOR UPGRADE OF GRAVEL ROADS IN THE WEST REGION FOR 36 MONTHS

SUMMARY OF BILL OF QUANTITIES

1	PRELIMINARY AND GENERAL		R	_____
	AA PRELIMINARIES	R	_____	
	AH OCCUPATIONAL HEALTH and SAFETY	R	_____	
2	CLEARING AND GRUBBING		R	_____
	B SITE CLEARANCE	R	_____	
3	DRAINS AND SUBSOIL DRAINAGE		R	_____
	AB GENERAL SPECIFICATIONS	R	_____	
	DC EARTHWORKS FOR CONCRETE LINED CANALS	R	_____	
4	STORMWATER STRUCTURES		R	_____
	GM GRAVEL ROAD MAINTENANCE	R	_____	
5	BULK EARTHWORKS		R	_____
	GM GRAVEL ROAD MAINTENANCE	R	_____	
6	CONCRETE SURFACE TO ROADS		R	_____
	EM CONCRETE SURFACE TO ROADS	R	_____	
7	LOW VOLUME GRAVEL ROAD UPGRADE		R	_____
	GM GRAVEL ROAD MAINTENANCE	R	_____	
8	RE-GRAVELING		R	_____
	GM GRAVEL ROAD MAINTENANCE	R	_____	
9	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION		R	_____
	F PROTECTION WORKS	R	_____	
10	LANDSCAPING AND PLANTING PLANTS		R	_____
	F PROTECTION WORKS	R	_____	
11	DAYWORKS		R	_____
	GM GRAVEL ROAD MAINTENANCE	R	_____	
SUB TOTAL			R	_____
ADD VAT (15%) - (only if a registered VAT Vendor)			R	_____
TOTAL CARRIED TO FORM OF TENDER			R	_____