

MKHONDO LOCAL MUNICIPALITY

COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)

TENDER NUMBER: MKHO 03/2023/24(13)

**RE-GRAVELLING AND STORMWATER MANAGEMENT FOR 2km AT WARD 8 MAPHEPHENI (DR. POLS
VILLAGE)**

BILL OF QUANTITIES / PRICING SCHEDULE

C2.2.2

MKHONDO LOCAL MUNICIPALITY
COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)
TENDER NUMBER: MKHO 03/2023/24(13)
RE-GRAVELLING AND STORMWATER MANAGEMENT FOR 2km AT WARD 8 MAPHEPHENI (DR. POLS VILLAGE)

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.2	GENERAL REQUIREMENTS AND PROVISIONS				
C1.2.1	Environmental Management				
C1.2.1.1	Monitoring of compliance with and reporting on the EMP	PC Sum		R 7 500.00	Rate Only
C1.2.1.2	Dedicated environmental officer	PC Sum		R 15 000.00	Rate Only
C1.2.2	Programming and Reporting				
C1.2.2.1	Submission of a Scheme 1 Programme	lump sum			
C1.2.2.2	Reviewing and updating a Scheme 1 Programme	month	3		
C1.2.2.6	Preparation and submission of all information and reports specified in the Contract Documentation	month	3		
C1.2.3	Routine road maintenance of existing public roads within the Site of the Works or other public roads outside the Site of the Works which are used as detours				
C1.2.3.9	Grading of temporary gravel deviations and existing roads used as detours (Provisional)	km	2		
C1.2.3.10	Watering of temporary gravel deviations and existing roads used as detours (Provisional)	kl	300		
C1.2.3.11	Other road maintenance work ordered by the Engineer	prov sum			25 000.00
C1.2.3.12	Handling cost, profit and all other charges in respect of item C1.2.3.11	%	25 000.00		
C1.2.4	Stakeholder liaison				
B.C1.2.4.1	Provision of stakeholder liaison	month	3		
B.C1.2.4.2	(a) Employment of a Project Liaison Officer (PLO)	prov sum (monthly)	3	R 6 500.00	19 500.00
	(b) Handling costs, profit and all other charges in respect of item P.S.C1.2.4.2 (a)	%	19 500.00		
P.S.C1.2.4.3	(a) Establishment and compensation of a Project Liaison Committee (PLC)	prov sum (monthly)		R 7 500.00	Rate Only
	(b) Handling costs, profit and all other charges in respect of item P.S.C1.2.4.3 (a)				Rate Only
C1.2.5	Safety				
C1.2.5.1	Health and safety plan	lump sum			
C1.2.5.2	Implementation of health and safety plan	month	3		
Total Carried Forward					

C2.2.3

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
Brought Forward					
C1.2.6	Work adjacent to properties				
C1.2.6.1	Survey of adjacent properties	PC Sum		R 30 000.00	Rate Only
C1.2.6.2	Preventive and/or mitigation measures	PC Sum		R 30 000.00	Rate Only
C1.2.6.3	Handling cost, profit and all other charges in respect of item C1.2.6.1 and C1.2.6.2	%	60 000.00		Rate Only
B.C.1.2.10	Accredited Training				
B.C.1.2.10.1	Accredited and approved training courses for selected local and other labourers including wages during training			150 000.00	Rate Only
B.C.1.2.10.2	Handling cost, profit and all other charges in respect of item B.C.1.2.10.1	%			Rate Only
B.C.1.2.11	Other General Requirements and Provisions				
B.C.1.2.11.1	Other non-specified general requirements and provisions as will be directed by the Employer's Agent during execution of works	prov sum			30 000.00
B.C.1.2.11.2	Handling cost, profit and all other charges in respect of item B.C.1.2.11.1	%	30 000.00		
C1.2.8	Dayworks				
C1.2.8.1	Personnel				
(a)	Unskilled labourer	h	10		
(b)	Semi-skilled labourer	h	10		
(c)	Skilled labourer	h	10		
(d)	Gang leader	h	10		
(e)	Foreman	h	10		
(f)	Skilled Artisan	h	10		
C1.2.8.2	Construction equipment (specify size and / or model number):				
(a)	Motor grader	h	10		
(b)	Vibratory roller	h	10		
(c)	Pneumatic roller	h	10		
(d)	Front end loader	h	10		
(e)	Tractor loader backhoe	h	10		
(f)	Excavator	h	10		
Total Carried Forward					

C2.2.4

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
Brought Forward					
(g)	Compressor	h	10		
(h)	Mechanical Broom	h	10		
C1.2.8.3	Vehicles (specify size):				
(a)	Light delivery vehicle	km	50		
(b)	Flatbed truck	km	50		
(c)	Tipper truck	km	50		
C1.2.8.4	Materials:				
	(a) Procurement of materials	Prov sum			30 000.00
	(b) Contractor's handling costs, profit and all other charges in respect of item C1.2.8.4(a)	%	30 000.00		
Total Carried Forward to Summary					

C2.2.5

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS				
C1.3.1	The Contractor's general obligations:				
C1.3.1.1	Fixed obligations	lump sum			
C1.3.1.2	Value-related obligations	lump sum			
C1.3.1.3	Time-related obligations	month	3		
B.C1.3.2	Contract sign boards	No.	1		
Total Carried Forward to Summary					

C2.2.6

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.4	FACILITIES FOR THE ENGINEER				
C1.4.1	Site accommodation:				
C1.4.1.1	Office and conference room (2 No. Total)	m²	36		
C1.4.1.6	Car ports	No.	2		
C1.4.1.7	Ablution unit (equipped as specified)	No	1		
C1.4.1.9	Kitchen unit (equipped as specified)	No			Rate Only
C1.4.1.13	Rented housing paid for by the Contractor	Prov sum			20 000.00
C1.4.1.14	Contractor's handling costs, profit and all other charges in respect of item C1.4.1.13	%	20 000.00		
C1.4.2	Items measured by area:				
C1.4.2.1	Shelving as specified, complete with brackets	m²			Rate Only
C1.4.2.7	Venetian blinds	m²	5		
C1.4.2.8	Notice boards	m²			Rate Only
C1.4.2.9	White boards	m²			Rate Only
C1.4.3	Items measured by number:				
C1.4.3.1	Office swivel chair	No	3		
C1.4.3.2	Office chair	No	15		
C1.4.3.5	Office desk with 3 drawers (at least one lockable drawer)	No			Rate Only
C1.4.3.6	Typist desk (L-shaped)	No			Rate Only
C1.4.3.7	Drawing table	No			Rate Only
C1.4.3.8	Conference table	No	1		
C1.4.3.10	Filing cabinet	No			Rate Only
C1.4.3.11	General purpose steel cabinet with shelves	No			Rate Only
C1.4.3.12	Wall mounted pivot plan filing system	No			Rate Only
C1.4.3.13	220 / 250 volt power outlet plug point	No	1		
C1.4.3.17	11 watt compact fluorescent bulb ceiling light	No	2		
C1.4.3.18	7 watt LED bulb ceiling light	No			Rate Only
C1.4.3.19	Wash-hand basin	No	1		
C1.4.3.23	Fire extinguisher 9,0 kg, dry powder type	No			Rate Only
Total Carried Forward					

C2.2.7

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
Brought Forward					
C1.4.3.24	Air-conditioning unit	No	2		
C1.4.3.27	Waste paper basket	No			Rate Only
C1.4.3.28	UPS / Voltage stabiliser	No	3		
C1.4.3.29	A3 / A4 colour printer, copier, scanner	No			Rate Only
C1.4.3.31	Rain gauge	No	1		
C1.4.3.36	Measuring wheel	No	1		
C1.4.3.37	First aid kit	No	1		
C1.4.3.38	Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe	No	1		
C1.4.4	Prime cost items:				
C1.4.4.1	Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration	PC sum			30 000.00
C1.4.4.2	Handling costs and profit in respect of item C1.4.4.1	%	30 000.00		
C1.4.4.5	The provision of internet connectivity and WiFi data for Engineer's site staff	PC sum			6 000.00
C1.4.4.6	Handling costs and profit in respect of item C1.4.4.5	%	6 000.00		
C1.4.4.7	The provision of paper and ink for a combination colour printer / copier / scanner	PC sum		7500	Rate Only
C1.4.4.8	Handling costs and profit in respect of item C1.4.4.7	%	Rate Only		Rate Only
C1.4.4.9	The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.	PC sum		15000	Rate Only
C1.4.4.10	Handling costs and profit in respect of item C1.4.4.9	%	Rate Only		Rate Only
C1.4.5	Services at site offices, laboratories and site accommodation:				
C1.4.5.1	Fixed costs	Lump sum			
C1.4.5.2	Running costs	month	3		
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.5	ACCOMMODATION OF TRAFFIC				
C1.5.1	Accommodation of pedestrian and non-motorised traffic				
C1.5.1.1	Accommodation of pedestrian and non-motorised traffic	month	3		
C1.5.2	Accommodation of vehicular traffic	month	3		
C1.5.4	Construction of temporary deviations	Prov Sum (per km)	2	10 000.00	20 000.00
C1.5.5	Maintenance of temporary deviations:	Prov Sum (per km)	2	5 000.00	10 000.00
C1.5.6	Removal of temporary deviations	Prov Sum (per km)		10 000.00	Rate Only
C1.5.7	Temporary traffic control facilities:				
C1.5.7.1	Delineators including mounting bases and ballast:				
	(a) Single sided, reversible left or right (800 x 200)	No	10		
	(b) Double sided, reversible left or right (800 x 200)	No	20		
C1.5.7.2	Traffic cones, minimum height 750 mm	No	10		
C1.5.7.3	Flagmen	man-shift	176		
C1.5.7.4	Traffic controllers	man-shift	176		
C1.5.7.7	Traffic calming devices:				
	(a) 25 mm high x 100 mm wide asphalt rumble strips	m			Rate Only
	(b) 50 mm high x 500 m wide asphalt rumble strips	m			Rate Only
	(c) 150 mm high x 3 m wide asphalt speed control humps	m			Rate Only
C1.5.11	Provision of safety equipment for visitors				
C1.5.11.1	Provision of reflective safety vests for visitors	No	10		
C1.5.11.2	Provision of hard hats for visitors	No			Rate Only
C1.5.12	Additional traffic accommodation facilities ordered by the Engineer:				
C1.5.12.1	Provision of additional traffic accommodation facilities (to be instructed by the Employer's Agent)	Prov sum			15 000.00
C1.5.12.2	Handling cost, profit and all other charges in respect of item C1.5.12.1	%	15000		
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.6	CLEARING AND GRUBBING				
C1.6.1	Clearing:				
C1.6.1.1	Clearing with machines and some hand labour where necessary	ha	1.7		
C1.6.2	Grubbing:				
C1.6.2.1	Grubbing with machines and some hand labour where necessary	ha	1.7		
C1.6.2.2	Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine	ha			Rate Only
C1.6.3	Removal and grubbing of large trees and tree stumps:				
C1.6.3.1	Girth equal to or exceeding 1,0 m up to and including 2,0 m	No			Rate Only
C1.6.3.2	Girth exceeding 2,0 m up to and including 3,0 m	No			Rate Only
C1.6.3.3	Girth exceeding 3,0 m	No			Rate Only
C1.6.4	Removal of buildings and structures:	Prov Sum			15 000.00
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C1	CHAPTER 1: GENERAL				
C1.7	LOADING AND HAULING				
C1.7.1	Loading:				
C1.7.1.1	Loading from stockpile using machines and some hand labour where necessary	m ³			Rate only
C1.7.2	Hauling:				
C1.7.2.1	Hauling material for use in the Works and off-loading it on the site of the Works:				
(a)	Soil, gravel, crushed stone and pavement layer material	m ³ -km	6000		
C1.7.2.2	Hauling material to spoil and off-loading it at a designated spoil area:				
(a)	Cleared and grubbed material (organic matter and all other unsuitable or waste material)	m ³ -km			Rate only
(b)	Soil and gravel material	m ³ -km			Rate only
(c)	Boulders and hard material	m ³ -km			Rate only
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C3	CHAPTER 3: DRAINAGE				
C3.2	CULVERTS				
C3.2.1	Excavation for culvert structures:				
C3.2.1.1	Excavating in all material situated within the following depth ranges below the surface level:				
(a)	0 m to 1,5 m	m³	140		
(b)	Exceeding 1,5 m and up to 3,0 m	m³			Rate Only
(c)	Exceeding 3,0 m and up to 4,5 m	m³			Rate Only
C3.2.1.4	Extra over sub-item C3.2.1.1 for excavation in hard or boulder material, irrespective of depth	m³			Rate Only
C3.2.2	Backfilling:				
C3.2.2.1	Using the excavated material	m³	140		
C3.2.2.2	Using imported selected material:				
(a)	From commercial sources				
(i)	Selected material	m³	40		
(ii)	Rockfill	m³	100		
(b)	From sources on site				
(ii)	Selected material from other excavations on site	m³			Rate Only
C3.2.2.4	Extra over sub-items C3.2.2.1 and C3.2.2.2 for screed layers				
(a)	15 MPa/19 mm concrete	m³			Rate Only
C3.2.3	Concrete pipe culverts:				
C3.2.3.2	On Class C bedding				
(a)	600mm dia. Type 100D with ogee joints	m			Rate Only
(b)	750mm dia. Type 100D with ogee joints	m	80		
(c)	900mm dia. Type 100D with ogee joints	m			Rate Only
C3.2.5	Rectangular culverts with prefabricated elements:				
C3.2.5.1	Prefabricated portal culverts; wall and roof combination				
(a)	1200x1200 150s	m			Rate Only
(b)	1500x1500 100s	m			Rate Only
Total Carried Forward					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
Brought Forward					
C3.2.6	Extra over items C3.2.3, C3.2.4 and C3.2.5 for constructing inclined culverts	m			Rate Only
C3.2.7	Cast in situ concrete and formwork:				
C3.2.7.1	In Class A bedding, screeds, concrete backfill and the encasing for pipes, including formwork, (a) 15 MPa/19 mm concrete	m ³	40		Rate Only
C3.2.7.2	In complete in situ floor slabs for rectangular culverts, manholes and catchpits including formwork, joints and Class U2 surface finish (installed at a standard depth of 1,0 m) (a) 25 MPa/19 mm concrete	m ³	10		
C3.2.7.3	In walls, excluding formwork but including Class U2 surface finish (a) 25 MPa/19 mm concrete	m ³	10		
C3.2.7.4	In roof slabs for rectangular culverts, excluding formwork but including Class U2 surfacing finish and joints (a) 25 MPa/19 mm concrete	m ³			Rate Only
C3.2.7.5	In inlet and outlet structures including kerbs, chutes and downpipes, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including Class U2 surfacing finish (a) 25 MPa/19 mm concrete	m ³	20		
C3.2.7.6	Formwork of concrete under items C3.2.7.3 to 5 above (U2 Class of finish)	m ²	100		
C3.2.8	Concrete backfill or encasement for culverts (a) 25 MPa/19 mm concrete	m ³	40		
C3.2.9	Prefabricated concrete inlets and outlets to culverts				
	a) Double Barrel x Ø900 Pipes Outlet Structure Complete	No.			Rate Only
	b) Single Barrel x Ø900 Pipe Outlet Structure Complete	No.			Rate Only
	c) Double Barrel x Ø750 Pipes Outlet Structure Complete	No.			Rate Only
	d) Single Barrel x Ø750 Pipes Outlet Structure Complete	No.			Rate Only
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Brought Forward					
	e) Double Barrel x Ø600 Pipes Outlet Structure Complete	No.			Rate Only
	f) Single Barrel x Ø600 Pipes Outlet Structure Complete	No.			Rate Only
C3.2.10	Reinforcement:				
C3.2.10.1	Mild steel bars	t			Rate Only
C3.2.10.2	High-tensile steel bars	t	1		
C3.2.10.3	Welded steel fabric	kg	1000		
C3.2.13	Removing and re-laying existing culverts:				
C3.2.13.1	Removing and stacking existing culverts for re-use				
	(a) 450 mm dia. concrete	m			Rate Only
	(b) 600 mm dia. concrete	m			Rate Only
	(c) 750 mm dia. concrete	m			Rate Only
	(d) 900 mm dia. concrete	m			Rate Only
B.C3.2.15	Manholes and catch pits. The tendered rate shall include full compensation for bedding, procuring materials, providing materials, loading, transporting, off-loading and construction/installing the structures as per identified drawings as specified				
	(a) Manholes - Exposed Shallow Junction Box as per Drawing No. 031/HAR/R1209 Rev 0 - Complete				
	(a) (i) 0 m to 1,5 m deep	No			Rate Only
	(a) (ii) Exceeding 1,5 m to 3,0 m deep	No			Rate Only
	(a) (iii) Exceeding 3,0 m to 4,5 m deep	m - No			Rate Only
	(b) Catchpits				
	(b) (i) Kerb Inlet as per Drawing No. 031/HAR/R1208 Rev 0 - Complete				
	(b) (i) (1) 0 m to 1,5 m deep	No			Rate Only
	(b) (i) (2) Exceeding 1,5 m to 3,0 m deep	No			Rate Only
	(b) (i) (3) Exceeding 3,0 m to 4,5 m deep	m - No			Rate Only
	(b) (ii) Drop Inlet as per Drawing No. 031/HAR/R1202 Rev 0 - Complete	No			Rate Only
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
Brought Forward					
C3.2.23	(b) (iii) Extra over for 4,8m Long Side Kerb Inlet. Variation of item (b)(i) above	No			
	(b) (iii) (1) 0 m to 1,5 m deep	No			Rate Only
	(b) (iii) (2) Exceeding 1,5 m to 3,0 m deep	No			Rate Only
	(b) (ii) (3) Exceeding 3,0 m to 4,5 m deep	m - No			Rate Only
	Breaking into existing drainage structures and building in pipes or culverts of the following size				
	(a) 450 mm dia. concrete	No			Rate Only
	(b) 600 mm dia. concrete	No			Rate Only
	(c) 750 mm dia. concrete	No			Rate Only
	(d) 900 mm dia. concrete	No			Rate Only
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C4	CHAPTER 4: EARTHWORKS AND PAVEMENT LAYERS: MATERIALS				
C4.1	BORROW MATERIALS				
C4.1.4	Removing of the overburden				
C4.1.4.1	In borrow pits	m³	1250		
C4.1.5	Excavating of materials in the borrow pits and quarries, material obtained from				
C4.1.5.1	Soft excavation	m³	2000		
C4.1.5.4	Hard excavation (other than by blasting)	m³			Rate Only
C4.1.5.5	Hard excavation (by blasting)	m³			Rate Only
C4.1.9	Breaking down oversize material	m³			Rate Only
C4.1.15	Shaping and finishing the borrow pit and quarry areas, and the stockpile sites				
C4.1.15.1	Shaping and finishing the borrow pit and quarry areas, and the stockpile sites	ha	0.25		
C4.1.18	Compensation to landowners or legal occupants in respect of land acquisition, royalties and/or loss of crops				
C4.1.18.1	Amount allowed, expenditure to be approved or instructed by the Employer	Prov Sum			40 000.00
C4.1.18.2	Handling costs and profit in respect of item C4.1.18.1	%	40 000.00		
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C5	CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION				
C5.1	ROADBED				
C5.1.1	Roadbed construction and compaction				
C5.1.1.2	Compaction of in-situ material to 93 % of MDD	m ³	2000		
C5.1.3	Excavate material to spoil sites designated by the Contractor				
C5.1.3.1	Excavate material to spoil from roadbed construction, material obtained from:				
	(a) Soft excavation	m ³			Rate Only
	(b) Boulder excavation Class A	m ³			Rate Only
	(c) Boulder excavation Class B	m ³			Rate Only
	(d) Hard excavation (other than by blasting)	m ³			Rate Only
	(e) Hard excavation (by blasting)	m ³			Rate Only
C5.1.6	Roller-pass compaction				
C5.1.6.2	Pad foot vibratory rollers	m ²			Rate Only
C5.1.6.3	Smooth drum vibratory rollers	m ²			Rate Only
C5.1.11	Construction of roadbed comprising a pioneer layer	m ³			Rate Only
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C5	CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION				
C5.2	FILL				
C5.2.2	Fill construction				
C5.2.2.1	Normal fill material in compacted layer thicknesses of 200 mm and less:				
(a)	Compacted to 90 % of MDD	m ³	100		Rate Only
(b)	Compacted to 93 % of MDD	m ³			
(c)	Roller-pass compaction	m ²			Rate Only
C5.2.2.4	Rock fill material all as per Clause A5.2.7.6	m ³			Rate Only
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C5	CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION				
C5.3	ROAD PAVEMENT LAYERS				
C5.3.2	Construction of pavement layers				
C5.3.2.1	Construction of layers using conventional construction methods:				
(b)	Lower selected subgrade layer (150mm layer thickness) compacted to 95 % of MDD from minimum G6 quality material	m³	1900		
(d)	Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum G6 quality material	m³			Rate Only
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C11	CHAPTER 11: ANCILLARY ROAD WORKS				
C11.1	PITCHING, STONEMWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION				
C11.1.2	Stone pitching				
C11.1.2.1	Plain stone pitching				
(a)	Method 1	m ²			Rate Only
(b)	Method 2	m ²			Rate Only
C11.1.2.2	Grouted stone pitching with mortar	m ²			Rate Only
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C11	CHAPTER 11: ANCILLARY ROAD WORKS				
C11.2	NON-STRUCTURAL GABIONS				
C11.2.1	Foundation trench excavation:				
C11.2.1.1	Excavating all material situated within the following depth ranges below the surface level				
(a)	0 m to 1,5 m Depth	m ³	120		
(b)	Exceeding 1,5 m and up to 3,0 m Depth	m ³			Rate Only
(c)	Exceeding 3,0 m and up to 4,5 m Depth	m ³			Rate Only
C11.2.1.2	Extra over sub-item C11.2.1.1 for excavation in hard material, irrespective of depth	m ³			Rate Only
C11.2.2	Surface preparation for bedding the gabion boxes and mattresses	m ²	250		
C11.2.3	Gabion boxes and mattresses:				
C11.2.3.1	Galvanized gabion boxes (1m x 1m x 1m deep)	m ³	80		
C11.2.3.3	Galvanized gabion mattresses (2m x 2m x 0.3m deep)	m ³	40		
C11.2.4	Geotextiles				
	(a) Kaytech Grade A2 or similar approved material	m ²	250		
Total Carried Forward to Summary					

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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (R)
C20	CHAPTER 20: QUALITY ASSURANCE				
C20.1	TESTING MATERIALS AND JUDGEMENT OF WORKMANSHIP				
C20.1.2	Special tests requested by the Engineer				
C20.1.2.2	Employer's contribution to other special tests				
	(a) Tests as ordered by the Employer's Agent	PC Sum			30 000.00
	(i) Handling cost and profit in respect of item C20.1.2.2(a) above	%	30 000.00		
Total Carried Forward to Summary					

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SUMMARY OF SECTIONS		
ITEM	DESCRIPTION	AMOUNT (R)
C1.2	GENERAL REQUIREMENTS AND PROVISIONS	
C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS	
C1.4	FACILITIES FOR THE ENGINEER	
C1.5	ACCOMMODATION OF TRAFFIC	
C1.6	CLEARING AND GRUBBING	
C1.7	LOADING AND HAULING	
C3.2	CULVERTS	
C4.1	BORROW MATERIALS	
C5.2	FILL	
C5.3	ROAD PAVEMENT LAYERS	
C11.1	PITCHING, STONEMWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION	
C11.2	NON-STRUCTURAL GABIONS	
C20.1	TESTING MATERIALS AND JUDGEMENT OF WORKMANSHIP	
TOTAL OF SCHEDULE OF QUANTITIES (SUB TOTAL A)		
CONTINGENCIES - COMPULSORY The Sum provided here is under the sole control of the Engineer and may be deducted in whole or in part. Tenderer shall multiply 5% with the 'total of schedule of quantities' for contingencies (Sub Total "A" x 5%)		
SUB TOTAL B - CONSTRUCTION AMOUNT (EXCL. VAT)		
ADD VALUE ADDED TAX (VAT) - COMPULSORY The Tenderer shall add 15% of the 'Contract Amount (Excl VAT)' for VAT (Sub Total "B" x 15%)		
TOTAL AMOUNT CARRIED TO FORM OF OFFER - CONTRACT AMOUNT (INCL. VAT)		