

**CONTRACT NO:LDPWRI-ROADS/17024  
HOUSEHOLD ROUTINE ROAD MAINTENANCE PROJECT  
ELIAS MOTSOLEDI MUNICIPALITY**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M0200</b>	<b>GENERAL REQUIREMENTS AND PROVISIONS</b>				
M020.01	Information signboards  (b)Type 2 (small)	No	30		
M020.05	Project Liaison Committee  (a) Cost of Project Liaison Committee	Prov Sum	1.00	54,000.00	54,000.00
	(b)The Contractor's overhead charges and profit in respect of sub-item DM020.05 (a)	%	54,000.00		
M020.06	Training  (a) Engineering skills	Prov Sum	1	250,000.00	250,000.00
	(b) Generic skills	Prov Sum	1	180,000.00	180,000.00
	(c) Enterpreneurial skills	Prov Sum	1	180,000.00	180,000.00
	(d) Training Venue	LS	1		
	(e) Renumeration of worker undergoing training	Prov Sum	1	45,000.00	45,000.00
	(f) Contractors handling cost and other charges in respect of (a,b,c) to e	%	655,000.00		
<b>M0200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M0300</b>	<b>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</b>				
M030.01	Fixed obligations	LS	1		
M030.03	Time-related obligations (a) General obligations	month	36		
	(b) Occupational health and safety obligations (two safety officers)	month	36		
DM030.12	Employment of personnel by Contractor (a) Graduates Participants				
	(i) Remuneration of graduates Participants	Prov Sum	1	100,000.00	100,000.00
	(ii) Handling cost & profit in respect sub-item DM030.12(a)(i)	%	100,000.00		
<b>M0300</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>B1400</b>	<b>HOUSING, OFFICES AND LABORATORIES FOR THE CONTRACTOR'S SITE PERSONNEL</b>				
<b>B14.01</b>	<b>Office accommodation:</b>				
	(a) Offices (minimum 63m <sup>2</sup> floor area all inclusive)	m <sup>2</sup>	63.00		
	(e) Ablution units	m <sup>2</sup>	5.00		
<b>B14.02</b>	<b>Office furniture:</b>				
	(a) Portable Chairs	No	26.00		
	(d) Office Table	No	6.00		
	(f) Conference Tables	No	2.00		
<b>B14.03</b>	<b>Offices fittings, installations and equipment</b>	LS	1.00		
	Refer to Specifications				
<b>B14.08</b>	<b>Provision of Services and Running cost of the office</b>				
	(a) Fixed costs	LS	1.00		
	(b) Running costs	month	36.00		
<b>B14.10</b>	<b>Provision of Photostat Facilities</b>	month	36.00		
<b>B1400</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M0500</b>	<b>ACCOMMODATION OF TRAFFIC</b>				
M050.01 LI	Accommodation of traffic and mainteining temporary deviations (including provision of flagman and all relevent temporary signs)	month	36.00		
<b>M0500</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M1100</b>	<b>PAVEMENT LAYERS REPAIR</b>				
<b>M110.01 LI</b>	<b>Removal and excavating material from existing pavements</b> (except milled material)				
	(a)Areas up to 50m <sup>2</sup>	m <sup>3</sup>	452		
	(c)Areas greater than 50m <sup>2</sup>	m <sup>3</sup>			Rate only
<b>M110.03 LI</b>	<b>Backfilling of base layer for surface failures with (98% of modified AASHTO density):</b>				
	(a) Chemically stabilised gravel excavated from the existing pavement				
	(i)Areas up to 50m <sup>2</sup>	m <sup>3</sup>	452		
	(ii)Areas greater than 50 m <sup>2</sup>	m <sup>3</sup>			Rate only
	(d) Asphalt surfacing (continuously graded medium)				
	(i)Areas up to 50m <sup>2</sup>	t	320		
	(ii)Areas greater than 50m <sup>2</sup> (paver)	t			Rate only
<b>M110.04 LI</b>	<b>Backfilling of pavement layers to compaction as specified</b>				
	(a) Subbase layer (95% of modified AASHTO density)				
	(i)Areas up to 50m <sup>2</sup>	m <sup>3</sup>	1357		
	(ii)Areas greater than 50m <sup>2</sup>	m <sup>3</sup>			Rate only
	(b) Selected layer (93% of modified AASHTO density)				
	(i)Areas up to 50m <sup>2</sup>	m <sup>3</sup>	452		
	(ii)Areas greater than 50m <sup>2</sup>	m <sup>3</sup>			Rate only
<b>M1100</b>	<b>TOTAL CARRIED FORWARD</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BROUGHT FORWARD</b>				
M110.04 LI	<b>Backfilling of pavement layers to compaction as specified</b> (c ) Fill layer (90% of modified AASHTO density) (i)Areas up to 50m <sup>2</sup> (ii)Areas areater than 50m <sup>2</sup>	m <sup>3</sup> m <sup>3</sup>	59		Rate Only
M110.05	Binder variations (a) Penetration-grade bitumen	t			Rate Only
M110.06	Variation in active filler content (a)Cement (b)Lime	t t			Rate Only Rate Only
M110.07	Overhaul on material hauled in excess of 1,0 km (a) Spoil material	m3-km	1,973.91		
M110.09	Establishment of Paver on Site	No	3		
<b>M1100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M1200</b>	<b>REPAIR OF POTHOLES</b>				
M120.01 LI	Pothole repair (<0.5m2) using hot mix continuously graded asphalt	No.	10515		
<b>M1210</b>	<b>REPAIR OF EDGE BREAKS</b>				
M121.01 LI	Repair of edge breaks using hot mix continuously graded asphalt	m	11640		
<b>M1220</b>	<b>REPAIR OF SURFACE FAILURES</b>				
M122.01 LI	Repair of surface failures hot mix continuously graded asphalt	No.	10515		
<b>M1230</b>	<b>TEMPORARY REPAIR</b>				
M123.01 LI	Temporary repair of potholes, edge breaks and surface failures using cold mix asphalt surfacing from the following sources:				
	(a) Commercial sources	No	5820		
	(b) Mix on site as specified	No	0		Rate only
<b>M1200</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M1300</b>	<b>SEALING OF ACTIVE CRACKS</b>				
M130.01 LI	Cleaning of active cracks with hot compressed air and sealing cracks as specified (a) Stabilisation cracks (i) Without bandage (ii) With bandage ("Sealmac 150" or similar) 200mm id (d) Longitudinal cracks	   m  m  m			   Rate only  Rate only  Rate only
<b>M1320</b>	<b>CRACKSEALING PER INDIVIDUAL ITEM</b>				
M132.01 LI	Cracksealing per individual item (b) Priming of cracks (MSP1 or similar) (c) Sealant (hot applied sealant)	 litre  litre			 Rate only  Rate only
<b>M1300</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M1600</b>	<b>SURFACE TREATMENT - TEXTURE CORRECTION</b>				
M160.01 LI	Application of slurry mixed on site (a)Tack coat using 30% bitumen emulsion	l			Rate only
	(b)Slurry applied for texture treatment (Coarse grading and 80/100 pen. bitumen)	m <sup>3</sup>			Rate only
	(i)Applied by hand	m <sup>3</sup>			Rate only
	(ii)Applied by spreader box	m <sup>3</sup>			Rate only
M160.02 LI	Application of slurry from commercial sources				
	(a) Tack coat using 30% bitumen emulsion	l			Rate only
	(b) Slurry applied for texture treatment (Coarse grading and 80/100 pen. bitumen)	m <sup>3</sup>			Rate only
	(i)Applied by hand	m <sup>3</sup>			Rate only
	(ii)Applied by spreader box	m <sup>3</sup>			Rate only
<b>M1610</b>	<b>SURFACE TREATMENT - RUT FILLING</b>				
M161.01	Application of slurry for rut filling mixed on site				
	(a) Slurry applied by spreader box with rigid squeegees in one application for rut filling (Coarse grading and 80/100 pen.bitumen)	m <sup>3</sup>			Rate only
M161.02	Application of slurry for rut filling from commercial sources				
	(a) Slurry applied by spreader box with rigid squeegees in one application for rut filling (Coarse grading and 80/100 pen.bitumen)	m <sup>3</sup>			Rate only
	(c) Tack coat using 30% bitumen emulsion	l			Rate only
<b>M1600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M2100</b>	<b>REPAIR AND MAINTENANCE OF INLET AND OUTLET STRUCTURES</b>				
M210.01 LI	Excavation	m <sup>3</sup>			Rate only
M210.02 LI	Backfilling				
	(a)Using the excavated material	m <sup>3</sup>			Rate only
	(b)Using stabilised excavated material	m <sup>3</sup>			Rate only
M210.03 LI	Reconstruction of inlet and outlet structures				
	(a)Concrete (class 20/19)	m <sup>3</sup>			Rate only
	(b)Brickwork (230mm width)	m <sup>2</sup>			Rate only
	(c ) Plastering	m <sup>2</sup>			Rate only
	(d) Pre-cast Concrete inlets	No			Rate only
M210.04	Accessories				
	(a)Provisional sum for the cost of accessories	Prov Sum	1.00	45,000.00	45,000.00
	(b)The Contractor's overhead charges and profit in respect of sub-item BM210.04 (a)	%	45,000		
M210.05 LI	Demolition of existing structures				
	(a) Plain concrete	m <sup>3</sup>	9		Rate only
	(c) Brickwork	m <sup>2</sup>	9		Rate only
M210.07	Steel reinforcement				
	(a)Mild steel bars	t	3		Rate only
	(b)High tensile steel bars	t	3		Rate only
	(c ) Welded steel mesh (Ref 311)	kg	150		Rate only
M210.08	Overhaul on material hauled in excess of 40 km				
	(a)Excavated material to spoil	m <sup>3</sup> -km	1500		Rate only
	(b)Existing structures demolished	m <sup>3</sup> -km	300		Rate only
<b>M2100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M2400</b>	<b>CLEANING OF PREFABRICATED CULVERTS</b>				
M240.01 LI	Cleaning of prefabricated culverts, inlet and outlet areas  Various road sections as descibed under C3.1.2.1 : Description of site	month	36		
<b>M2400</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M2500</b>	<b>CLEANING OF CONCRETE DRAINS AND CHANNELS</b>				
M250.01 LI	Cleaning of concrete drainage channels: Various road sections as descibed under C3.1.2.1: Description of site				
	(a)(i) Hand cleaning	month	36		
M250.02 LI	(b) Extra over for sweeping of concrete drainage channels	month	36		
<b>M2500</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M2600</b>	<b>CLEANING AND MAINTENANCE OF EXISTING EARTH CHANNELS</b>				
M260.01 LI	Cleaning earth drains and channels	m <sup>3</sup>	7500		
M260.02 LI	Repairing of earth drains and channels	m <sup>3</sup>	7500		
M260.04	Overhaul on material hauled in excess of 1,0 km	m <sup>3</sup> -km	18900		
<b>M2600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M2700</b>	<b>EDGE BUILD-UP REMOVAL</b>				
M270.01 LI	Removal of edge build-ups:  Various road sections as descibed under C3.1.2.1 : Description of site	month	36		
<b>M2700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M3200</b>	<b>COLLECTION AND REMOVAL OF DEBRIS AND LITTER</b>				
M320.01 LI	Clearing of the road reserve (a) Urban roads: Various road sections as descibed under C3.1.2.1 : Description of site	month	36		
<b>M3200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				



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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M4100</b>	<b>ERECTION AND REPAIR OF PERMANENT ROAD TRAFFIC SIGNS</b>				
M410.01 LI	Erection or re-erection of road signs with a surface area of:				
	(a)Up to 2m <sup>2</sup>	m <sup>2</sup>	450		
	(b)Exceeding 2m <sup>2</sup> but not 10m <sup>2</sup>	m <sup>2</sup>	150		
	(c ) Exceeding 10m <sup>2</sup>	m <sup>2</sup>			Rate only
M410.02 LI	Road sign supports (overhead road sign strutures excluded)				
	(b) Timber:				
	(i)100mm diameter	m			Rate only
	(ii)125mm diameter	m			Rate only
	(iii)150mm diameter	m			Rate only
	(iv)175mm diameter	m	1050		
M410.04 LI	Excavation and backfilling for road sign supports (not applicable to reference marker board posts)	m <sup>3</sup>	75		
M410.05 LI	Extra over item M410.04 for cement-treated soil backfill	m <sup>3</sup>	75		
M410.10 LI	Hazard plates				
	(a ) W401 sign (150 x 600mm)				
	(i)Sign only	No	437		
	(ii)Post only	No	437		
<b>M4100</b>	<b>TOTAL CARRIED FORWARD</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M4100</b>	<b>BROUGHT FORWARD</b>				
	(b) W401 sign (200 x 800mm)				
	(i)Sign only	No	300		
	(ii)Post only	No	300		
	(c ) W401 sign (300 x 1200mm)				
	(i)Sign only	No	300		
	(ii)Post only	No	300		
M410.12 LI	Concrete in road sign footings (class 20/19)	m3	36		
M410.14 LI	Removal of road sign supports	No	600		
M410.15	Procurement of road signs				
	(a)Purchase of manufactured road signs	Prov Sum	1	180,000.00	180,000.00
	(b)The Contractor's overhead charges and profit in respect of sub-item M410.15 (a)	%	180000		
<b>M4100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M4400</b>	<b>GUARDRAIL ERECTION AND MAINTENANCE</b>				
<b>M440.01 LI</b>	<b>Supply and erection of new galvanised guardrails</b> (i) Conventional guardrail (3.8m eff. length)	m			Rate only
	(ii) EU standard guardrail (4.0m eff Length)	m			Rate only
<b>M440.02</b>	<b>Supply and erection of new galvanised curved factory bent to a radius of less than 45 m</b>	m			Rate only
<b>M440.03 LI</b>	<b>Extra over for erection of guardrail posts</b> (a) Additional timber posts for items M440.01 and M440.02	No			Rate only
	(b) Backfilling guardrail post with soilcrete	No			Rate only
	(c) Backfilling guardrail post with concrete	No			Rate only
<b>M440.04 LI</b>	<b>End units</b> (a) End wings	No			Rate only
	(b) Terminal sections in accordance with the drawings where single guardrail sections are used	No			Rate only
	(c) Terminal sections in accordance with the drawings where double guardrail sections are used	No			Rate only
<b>M440.05 LI</b>	<b>Guardrail reflectors</b>	No			Rate only
<b>M440.06 LI</b>	<b>Removal of damaged guardrails and re-erection of guardrails with new, recovered or renovated material</b> (a) Guardrails (i) Conventional guardrail (3.8m eff. length)	m			Rate only
	(ii) EU standard guardrail (4.0m eff Length)	m			Rate only
<b>M4400</b>	<b>TOTAL CARRIED FORWARD</b>				

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<b>M4400</b>	<b>BROUGHT FORWARD</b>				
	(b) End wings (i) Conventional guardrail (3.8m eff. length)  (ii) EU standard guardrail (4.0m eff Length)  (c ) Terminal sections with single guardrails (i) Conventional guardrail (3.8m eff. length)  (ii) EU standard guardrail (4.0m eff Length)  (d) Terminal sections with double guardrails (i)Conventional guardrail (3.8m eff. length)  (ii)EU standard guardrail (4.0m eff  (e) Guardrail posts (i)Conventional guardrail (3.8m eff. length)  (ii)EU standard guardrail (4.0m eff Length)	No   No   No   No   No   No   No			Rate only   Rate only   Rate only   Rate only   Rate only   Rate only
<b>M4400</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M4600</b>	<b>ROAD MARKING</b>				
<b>M460.02</b>	<b>Retro-reflective road-marking paint:</b>				
	(a) White lines (broken or unbroken)				
	(i) 100mm wide	km	200		
	(ii) 200mm wide	km	6		
	(iii) 500mm wide	km	3		
	(b) Yellow lines (broken or unbroken)				
	(i) 100mm wide	km	400		
	(ii) 150mm wide	km	1.2		
	(d) White lettering and symbols	m <sup>2</sup>	1050		
<b>M460.04</b>	<b>Setting out and pre-marking the lines (excluding traffic-island markings, lettering and symbols)</b>	km	600		
<b>M4600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				



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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M4700</b>	<b>MAINTENANCE OF LAY-BYES AND REST AREAS</b>				
<b>M470.01 LI</b>	<b>Maintenance of lay-byes and rest areas</b>  (a) Maintenance of lay-byes and rest areas  (b) The Contractor's overhead charges and profit in respect of sub-item M470.01 (a)	Prov Sum	1	45,000.00	45,000.00
<b>M470.02 LI</b>	<b>Provision of refuse bins, gazebos, tables and chairs</b>  (a) Provision of refuse bins  (b) The Contractor's overhead charges and profit in respect of sub-item BM470.02 (a)	Prov Sum	1	54,000.00	54,000.00
<b>M4700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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<b>M5100</b>	<b>GENERAL EROSION PROTECTION</b>				
<b>M510.01 LI</b>	<b>Stone pitching</b>				
	(a) Plain pitching				
	(i) Method 1	m <sup>2</sup>	3000		Rate only
	(ii) Method 2	m <sup>2</sup>	24		Rate only
	(b) Grouted pitching	m <sup>2</sup>	0		Rate only
	(c) Wired-and-grouted pitching	m <sup>2</sup>	0		Rate only
	(d) Grouted pitching on a concrete bed (75mm thick, 20/19 MPa concrete)	m <sup>2</sup>	0		Rate only
<b>M510.02 LI</b>	<b>Riprap</b>				
	(a) Packed riprap	m <sup>3</sup>	0		Rate only
	(b) Dumped riprap	m <sup>3</sup>	0		Rate only
	(c ) Filter backing		0		Rate only
	(i) Crushed stone	m <sup>3</sup>	0		Rate only
	(ii) Filter sand	m <sup>3</sup>	0		Rate only
	(d) Synthetic-fibre filter fabric (Grade 2)	m <sup>3</sup>	0		Rate only
<b>M510.03 LI</b>	<b>Stone masonry walls</b>				
	(a) Plain packed stone	m <sup>3</sup>	0		Rate only
	(b) Cement-mortared stone walls	m <sup>3</sup>	0		Rate only
<b>M510.05 LI</b>	<b>Concrete edge beams (30 Mpa concrete)</b>				
	(a) Cast in situ concrete Concrete edge beams, 300 x 300mm in 2m sections class 30/19 Mpa concrete	m <sup>3</sup>	270		
<b>M510.06 LI</b>	<b>Foundation trenches</b>	m <sup>3</sup>	60		
<b>M5100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M5200</b>	<b>GABION PROTECTION</b>				
<b>M520.01 LI</b>	<b>Foundation trench excavation and backfilling</b> (a)In solid rock (material which requires blasting)	m <sup>3</sup>	30		
	(b)In all other classes of material	m <sup>3</sup>	240		
<b>M520.02 LI</b>	<b>Surface preparation for bedding the gabions</b>	m <sup>2</sup>	960		
<b>M520.03 LI</b>	<b>Gabions</b> (a) Gabion baskets (1mx1mx1m, mesh. 80mmx100mm and 2,5mm diameter wire))	m <sup>3</sup>	480		
	(b) Galvanised gabion mattresses (2mx1mx0,3m deep, mesh 80mmx100mm, 2,2mm diameter wire, 600mm diaphragm)	m <sup>3</sup>	480		
<b>M520.04</b>	Extra over item M520.03 for supplying gabions with PVC-coated wire	m <sup>3</sup>	960		
<b>M520.05 LI</b>	<b>Filter fabric (Grade 2)</b>	m <sup>2</sup>	2400		
<b>M5200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M6100</b>	<b>GRASS CUTTING: SHOULDER AND GENERAL MOWING</b>				
<b>M610.01 LI</b>	<b>Shoulder mowing and removal of grass cuttings</b> (b)Reserve with single carriageway Various road sections as descibed under C3.1.2.1 : Description of site	ha	60		
<b>M610.02 LI</b>	<b>General mowing and removal of grass cuttings</b> (b)Reserve with single carriageway Various road sections as descibed under C3.1.2.1 : Description of site	ha	750		
<b>M611.01 LI</b>	<b>Cutting of designated areas</b> (a) Sight triangle at intersections, road signs and marker boards at the following section and interchanges Various road sections as descibed under C3.1.2.1 : Description of site	No	150		
<b>M611.02 LI</b>	<b>Additional cutting</b> (a)Any area on instruction of the Engineer (c) 1m cut either side of concrete drains	m <sup>2</sup> km	43,650 15		
<b>M6100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M6300</b>	<b>REMOVAL OF UNDESIRABLE VEGETATION: PHYSICAL ERADICATION</b>				
M630.01 LI	Eradication of undesirable vegetation (b) Annual eradication Various road sections as descibed under C3.1.2.1 : Description of site	ha			Rate only
M630.02 LI	Tree felling on instruction of the Engineer (a) Girth 151 mm to 500 mm (b) Girth 501 mm to 1000 mm (c) Girth 1 001 mm to 2000 mm (d) Girth 2 001 mm to 4000 mm (e) Girth larger than 4000 mm	No No No No No			Rate only Rate only Rate only Rate only Rate only
M630.04 LI	Additional eradication of undesirable vegetation on instruction of the Engineer	ha			Rate only
<b>M6300</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M8100</b>	<b>MINOR REPAIRS TO STRUCTURES</b>				
M810.01 LI	Minor repairs to structures (a)Minor repairs to structures (b)The Contractor's overhead charges and profit in respect of sub-item M810.01 (a)	Prov Sum %	1.00 60,000	60,000.00	60,000.00
<b>M8100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M9100</b>	<b>DAYWORKS SCHEDULE</b>				
<b>M910.01</b>	<b>Labour during normal working hours</b>				
	(a) Unskilled	h	27		
	(b) Semi-skilled	h	27		
	(c) Skilled	h	27		
	(d) Ganger	h	27		
	(e) Flagmen	h	27		
<b>M910.02</b>	<b>Labour outside normal working hours</b>				
	(a) Outside normal working hours and Saturdays				
	(i) Unskilled	h	27		
	(ii) Semi-skilled	h	27		
	(iii) Skilled	h	27		
	(iv) Ganger	h	27		
	(v) Flagmen	h	27		
	(b) Sundays and public holidays				
	(i) Unskilled	h	27		
	(ii) Semi-skilled	h	27		
	(iii) Skilled	h	27		
	(iv) Ganger	h	27		
	(v) Flagmen	h	27		
<b>M9100</b>	<b>TOTAL CARRIED FORWARD</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BROUGHT FORWARD</b>				
<b>M910.03</b>	<b>Transport and equipment</b>				
	(a) Tipper Trucks				
	(i) 3 to 5 ton capacity	h	27		
	(ii) More than 5 ton capacity	h	27		
	(b) TLB - Tractor, loader, backhoe (0.5m3 bucket)	h	27		
	(c ) Grader (CAT 140 G or similar)	h	27		
	(d) Compactor (Bomag BW 90)	h	27		
	(e) Water truck (5 000 litre)	h	27		
	(f) Mechanical broom	h	27		
	(g) Suitable truck/bus for transporting labourers (40 seater)	h	27		
	(h) Safety vehicle for pre-marking purposes	h	27		
	(i) Compressor (air) including hoses and tools(up to10m3/min)	h	27		
	(j) Dewatering pump including generators and accessories (500l/min)	h	27		
	(k) Mobile concrete mixers (150l)	h	27		
	(l) Flat bed truck (6 ton)	h	27		
	(m) Light delivery vehicle (LDV)	h	27		
	(n) Centremount cranes (20ton)	h	27		
<b>M9100</b>	<b>TOTAL CARRIED FORWARD</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>M9100</b>	<b>BROUGHT FORWARD</b>				
	(o) Portable generator set	h	27		
	(p) Establishment of a TLB - Tractor, loader, backhoe (0.5m3 bucket)	No	27		
	(q) Establishment of grader (CAT 140 G or similar)	No	27		
<b>M910.04 LI</b>	<b>Procurement of materials</b>				
	(a)Procurement of materials	Prov Sum	1.00	90,000.00	90,000.00
	(b)The Contractor's overhead charges and profit in respect of sub-item BM910.04 (a)	%	90,000		
<b>M910.05</b>	<b>Extra over item M910.03 for establishment within 24 hours</b>				
	(a) Tipper trucks				
	(i)3 to 5 ton capacity	No	3.00		
	(ii)More than 5 ton capacity	No	3.00		
	(b) TLB - Tractor, loader, backhoe (0.5m3 bucket)	No	3.00		
	(c) Dewatering pump including generators and accessories (500l/min)	No	3.00		
	(d) Water truck (5000 litre)	No	3.00		
<b>M9100</b>	<b>TOTAL CARRIED FORWARD</b>				

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SECTION	DESCRIPTION	AMOUNT
M0200	GENERAL REQUIREMENTS AND PROVISIONS	
M0300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	
B1400	HOUSING, OFFICES AND LABORATORIES FOR THE CONTRACTOR'S SITE PERSONNEL	
M0500	ACCOMMODATION OF TRAFFIC	
M1100	PAVEMENT LAYERS REPAIR	
M1200	REPAIR OF POTHOLES, EDGE BREAKS AND SURFACE FAILURES	
M1300	CRACK SEALING	
M1600	SURFACE TREATMENT OF SURFACED ROADS	
M2100	REPAIR AND MAINTENANCE OF INLET AND OUTLET STRUCTURES	
M2400	CLEANING OF PREFABRICATED CULVERTS	
M2500	CLEANING OF CONCRETE DRAINS AND CHANNELS	
M2600	CLEANING AND MAINTENANCE OF EXISTING EARTH CHANNELS	
M2700	EDGE BUILD-UP REMOVAL	
M3200	COLLECTION AND REMOVAL OF DEBRIS AND LITTER	
M3300	SHOULDER REPAIRS	
M4100	ERECTION AND REPAIR OF PERMANENT ROAD TRAFFIC SIGNS	
M4400	GUARDRAIL ERECTION AND MAINTENANCE	
M4600	ROAD MARKINGS	
M4700	MAINTENANCE OF LAY-BYES AND REST AREAS	
M5100	GENERAL EROSION PROTECTION	
M5200	GABION PROTECTION	
M6100	CONTROLLING VEGETATION GROWTH: MOWING AND CUTTING	
M6300	REMOVAL OF UNDESIRABLE VEGETATION: PHYSICAL ERADICATION	
M8100	MINOR REPAIRS TO STRUCTURES	
M9100	DAYWORKS SCHEDULE	
	<b>TOTAL SCHEDULE A: ROUTINE ROAD MAINTENANCE</b>	

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>B100</b>	<b>SOCIAL FACILITATION</b>				
<b>B100.01</b>	<b>Provision for Social Consultant and establishment</b>  (a) Initial facilitation processes (including establishment of PSC & Liasing with Local Authorities)  (b) Monitoring activities on a Monthly basis  (c) Contractor's handling costs, profit and all other charges in respect of subitem B100.01 above	  Prov Sum  Prov Sum  %	  1  1  920,000.00	  20,000.00  900,000.00   	  20,000.00  900,000.00   
<b>B</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>D100</b>	<b>OCCUPATIONAL HEALTH AND SAFETY ACT</b>				
<b>C100.01</b>	<b>Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction regulations</b>	Lump Sum	1		
<b>C100.03</b>	<b>Submission of the Health and Safety File</b>	Lump Sum	1		
<b>C100.04</b>	<b>Provision for OHS consultant</b>	Prov Sum	1	900,000.00	900,000.00
<b>C100.05</b>	<b>Medical Surveillance Program for all employees, Entry, Exit and Annual Medicals</b>	Prov Sum	1	702,000.00	702,000.00
	(a) Contractor's handling costs, profit and all other charges in respect of subitem D100.04 and D100.05 above	Prov Sum	1	120,150.00	120,150.00
<b>C100.06</b>	<b>Communication Per Month per Safety Officer</b> Cell Phones for Safety Personnel Land line for Safety Personnel Offices Radio Communication for Safety Personnel E-mail for Safety Personnel Fax Line for Safety Personnel	Month	36		
<b>C100.07</b>	<b>PPE for all beneficiaries at 4 pairs per year</b>				
	(a) Reflective overalls (all sizes) : Acid resistant	No	2,340		
	(b) Sun Hats	No	2,340		
	(c) Safety Glasses	No	2,340		
	(d) Steel Toe Tip Boots	No	2,340		
	(e) Dust Masks	No	2,340		
	(f) Reflective Jacktes	No	100		
<b>C100.08</b>	<b>Safety Signs</b>				
	(a) Site Notice Boards	No	5		
	(b) Site office direction sign	No	5		
	(c) No smoking signs	No	5		
<b>C100.09</b>	<b>Safety Equipment</b>				
	(a) Fire Extinguishers (9kg)	No	5		
<b>C</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>D100</b>	<b>ENVIRONMENTAL MANAGEMENT PLAN</b>				
<b>D100.01</b>	<b>Pernalty for unnecessary removal or damage to trees for the following diameter sizes:</b>				
	(a) 2 600mm girth or less	No.		-5000.00	Rate Only
	(b) Greater than 2 600mm, but less than 6 180mm girth	No.		-10000.00	Rate Only
	(c) Greater than 6 180mm girth	No.		-30000.00	Rate Only
<b>D100.02</b>	<b>Penalty for serious violations</b>				
	(a) Hazardous chemical/oil spill and/or dumping in non-approved sites	No.		-10000.00	Rate Only
	(b) General damage to sensitive environments	No.		-5000.00	Rate Only
	(c) Damage to cultural and historical sites	No.		-5000.00	Rate Only
	(d) Pollution of water sources	No.		-10000.00	Rate Only
	(e) Unauthorised blasting activities	No.		-5000.00	Rate Only
	(f) Uncontrolled/unmanaged erosion per incident, depending on environment impacts, plus rehabilitation at contractor's cost)	No.		-5000.00	Rate Only
<b>D100.03</b>	<b>Penalty for less serious violations</b>				
	(a) Littering on site	No.		-1000.00	Rate Only
	(b) Lighting of illegal fires on site	No.		-1000.00	Rate Only
	(c) Persistent or un-repaired fuel and oil leak	No.		-1000.00	Rate Only
	(d) Excess dust or excess noise emanating from site	No.		-1000.00	Rate Only
<b>D</b>	<b>TOTAL CARRIED FORWARD</b>				-

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought forward</b>					-
	(e) Dumping of milled material in side drains or on grassed areas	No.		-1000.00	Rate Only
	(f) Possession or use of intoxicating substances on site	No.		-500.00	Rate Only
	(g) Any vehicles being driven in excess of designated speed limits	No.		-500.00	Rate Only
	(h) Removal and/or damage to flora or cultural or heritage objects on site, and/or killing of wildlife	No.		-2000.00	Rate Only
	(i) Illegal hunting	No.		-2000.00	Rate Only
	(j) Urination and defecation anywhere except in designated areas	No.		-500.00	Rate Only
<b>D100</b>	<b>TOTAL CARRIED TO SUMMARY</b>				-

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**CALCULATION OF TENDER SUM**

DESCRIPTION	AMOUNT
<p>CONTRACT NO:LDPWRI-ROADS/17024  HOUSEHOLD ROUTINE ROAD MAINTENANCE PROJECT  ELIAS MOTSOLEDI MUNICIPALITY</p>	
<p>TOTAL SCHEDULE A: ROUTINE ROAD MAINTENANCE</p>	
<p>TOTAL PART B : SOCIAL FACILITATION</p>	
<p>TOTAL PART C : OCCUPATIONAL HEALTH AND SAFETY ACT</p>	
<p>TOTAL PART D : ENVIRONMENTAL MANAGEMENT PLAN</p>	
<p>SUB-TOTAL A,B,C &amp; D</p>	
<p>SUB-TOTAL</p>	
<p style="text-align: center;">VAT AT 14%</p>	
<p>TENDER SUM CARRIED FORWARD TO FORM C1.1</p>	