

**CONTRACT NO:LDPWRI-ROADS/17023
HOUSEHOLD ROUTINE ROAD MAINTENANCE PROJECT
MAKHUDUTHAMAGA MUNICIPALITY**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M0200	GENERAL REQUIREMENTS AND PROVISIONS				
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		
M0200	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M0300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
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 (ii) Handling cost & profit in respect sub-item DM030.12(a)(i)	Prov Sum %	1 100,000.00	100,000.00	100,000.00
M0300	TOTAL CARRIED FORWARD TO SUMMARY				

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

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

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

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BROUGHT FORWARD				
M110.04 LI	Backfilling of pavement layers to compaction as specified (c) Fill layer (90% of modified AASHTO density) (i)Areas up to 50m ² (ii)Areas areater than 50m ²	m ³ m ³	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		
M1100	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M1200	REPAIR OF POTHOLES				
M120.01 LI	Pothole repair (<0.5m2) using hot mix continuously graded asphalt	No.	10515		
M1210	REPAIR OF EDGE BREAKS				
M121.01 LI	Repair of edge breaks using hot mix continuously graded asphalt	m	11640		
M1220	REPAIR OF SURFACE FAILURES				
M122.01 LI	Repair of surface failures hot mix continuously graded asphalt	No.	10515		
M1230	TEMPORARY REPAIR				
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
M1200	TOTAL CARRIED TO SUMMARY				

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

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M1600	SURFACE TREATMENT - TEXTURE CORRECTION				
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 ³			Rate only
	(i)Applied by hand	m ³			Rate only
	(ii)Applied by spreader box	m ³			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 ³			Rate only
	(i)Applied by hand	m ³			Rate only
	(ii)Applied by spreader box	m ³			Rate only
M1610	SURFACE TREATMENT - RUT FILLING				
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 ³			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 ³			Rate only
	(c) Tack coat using 30% bitumen emulsion	l			Rate only
M1600	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M2100	REPAIR AND MAINTENANCE OF INLET AND OUTLET STRUCTURES				
M210.01 LI	Excavation	m ³			Rate only
M210.02 LI	Backfilling				
	(a)Using the excavated material	m ³			Rate only
	(b)Using stabilised excavated material	m ³			Rate only
M210.03 LI	Reconstruction of inlet and outlet structures				
	(a)Concrete (class 20/19)	m ³			Rate only
	(b)Brickwork (230mm width)	m ²			Rate only
	(c) Plastering	m ²			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 ³	9		Rate only
	(c) Brickwork	m ²	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 ³ -km	1500		Rate only
	(b)Existing structures demolished	m ³ -km	300		Rate only
M2100	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M2400	CLEANING OF PREFABRICATED CULVERTS				
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		
M2400	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M2500	CLEANING OF CONCRETE DRAINS AND CHANNELS				
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		
M2500	TOTAL CARRIED FORWARD TO SUMMARY				

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

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

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M3200	COLLECTION AND REMOVAL OF DEBRIS AND LITTER				
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		
M3200	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M3300	SHOULDER REPAIRS				
M330.01 LI	Reinstating gravel shoulders				
	(a)Ripping, watering, mixing, placing and compacting existing shoulders to 93% of modified AASHTO density	m ³			Rate only
	(b)Extra over sub-item M330.01 (a) for adding extra material from borrowpits outside the road reserve	m ³			Rate only
	(c) Extra over sub-item M330.01 (a) for stabilising material	m ³			Rate only
	(d) Blading	km			Rate only
	(e) Cutting of mitre drains	m			Rate only
	Overhaul on material hauled in excess of 1,0 km	m ³ -km			Rate only
M3300	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4100	ERECTION AND REPAIR OF PERMANENT ROAD TRAFFIC SIGNS				
M410.01 LI	Erection or re-erection of road signs with a surface area of:				
	(a)Up to 2m ²	m ²	450		
	(b)Exceeding 2m ² but not 10m ²	m ²	150		
	(c) Exceeding 10m ²	m ²			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 ³	75		
M410.05 LI	Extra over item M410.04 for cement-treated soil backfill	m ³	75		
M410.10 LI	Hazard plates				
	(a) W401 sign (150 x 600mm)				
	(i)Sign only	No	437		
	(ii)Post only	No	437		
M4100	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4100	BROUGHT FORWARD				
	(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		
M4100	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4400	GUARDRAIL ERECTION AND MAINTENANCE				
M440.01 LI	Supply and erection of new galvanised guardrails				
	(i) Conventional guardrail (3.8m eff. length)	m			Rate only
	(ii) EU standard guardrail (4.0m eff Length)	m			Rate only
M440.02	Supply and erection of new galvanised curved factory bent to a radius of less than 45 m	m			Rate only
M440.03 LI	Extra over for erection of guardrail posts				
	(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
M440.04 LI	End units				
	(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
M440.05 LI	Guardrail reflectors	No			Rate only
M440.06 LI	Removal of damaged guardrails and re-erection of guardrails with new, recovered or renovated material				
	(a) Guardrails				
	(i) Conventional quardrail (3.8m eff. length)	m			Rate only
	(ii) EU standard guardrail (4.0m eff Length)	m			Rate only
M4400	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4400	BROUGHT FORWARD				
	(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
M4400	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4600	ROAD MARKING				
M460.02	Retro-reflective road-marking paint:				
	(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 ²	1050		
M460.04	Setting out and pre-marking the lines (excluding traffic-island markings, lettering and symbols)	km	600		
M4600	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M4700	MAINTENANCE OF LAY-BYES AND REST AREAS				
M470.01 LI	Maintenance of lay-byes and rest areas (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
M470.02 LI	Provision of refuse bins, gazebos, tables and chairs (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
M4700	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M5100	GENERAL EROSION PROTECTION				
M510.01 LI	Stone pitching				
	(a) Plain pitching				
	(i) Method 1	m ²	3000		Rate only
	(ii) Method 2	m ²	24		Rate only
	(b) Grouted pitching	m ²	0		Rate only
	(c) Wired-and-grouted pitching	m ²	0		Rate only
	(d) Grouted pitching on a concrete bed (75mm thick, 20/19 MPa concrete)	m ²	0		Rate only
M510.02 LI	Riprap				
	(a) Packed riprap	m ³	0		Rate only
	(b) Dumped riprap	m ³	0		Rate only
	(c) Filter backing		0		Rate only
	(i) Crushed stone	m ³	0		Rate only
	(ii) Filter sand	m ³	0		Rate only
	(d) Synthetic-fibre filter fabric (Grade 2)	m ³	0		Rate only
M510.03 LI	Stone masonry walls				
	(a) Plain packed stone	m ³	0		Rate only
	(b) Cement-mortared stone walls	m ³	0		Rate only
M510.05 LI	Concrete edge beams (30 Mpa concrete)				
	(a) Cast in situ concrete Concrete edge beams, 300 x 300mm in 2m sections class 30/19 Mpa concrete	m ³	270		
M510.06 LI	Foundation trenches	m ³	60		
M5100	TOTAL CARRIED FORWARD TO SUMMARY				

TENDER NUMBER: DRT 32 B2/03/2016
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M5200	GABION PROTECTION				
M520.01 LI	Foundation trench excavation and backfilling (a)In solid rock (material which requires blasting)	m ³	30		
	(b)In all other classes of material	m ³	240		
M520.02 LI	Surface preparation for bedding the gabions	m ²	960		
M520.03 LI	Gabions (a) Gabion baskets (1mx1mx1m, mesh. 80mmx100mm and 2,5mm diameter wire))	m ³	480		
	(b) Galvanised gabion mattresses (2mx1mx0,3m deep, mesh 80mmx100mm, 2,2mm diameter wire, 600mm diaphragm)	m ³	480		
M520.04	Extra over item M520.03 for supplying gabions with PVC-coated wire	m ³	960		
M520.05 LI	Filter fabric (Grade 2)	m ²	2400		
M5200	TOTAL CARRIED FORWARD TO SUMMARY				

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

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M6300	REMOVAL OF UNDESIRABLE VEGETATION: PHYSICAL ERADICATION				
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
M6300	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M8100	MINOR REPAIRS TO STRUCTURES				
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
M8100	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M9100	DAYWORKS SCHEDULE				
M910.01	Labour during normal working hours				
	(a) Unskilled	h	27		
	(b) Semi-skilled	h	27		
	(c) Skilled	h	27		
	(d) Ganger	h	27		
	(e) Flagmen	h	27		
M910.02	Labour outside normal working hours				
	(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		
M9100	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BROUGHT FORWARD				
M910.03	Transport and equipment				
	(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		
M9100	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
M9100	BROUGHT FORWARD				
	(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		
M910.04 LI	Procurement of materials				
	(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		
M910.05	Extra over item M910.03 for establishment within 24 hours				
	(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		
M9100	TOTAL CARRIED FORWARD				

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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	
	TOTAL SCHEDULE A: ROUTINE ROAD MAINTENANCE	

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B100	SOCIAL FACILITATION				
B100.01	Provision for Social Consultant and establishment (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	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
D100	OCCUPATIONAL HEALTH AND SAFETY ACT				
C100.01	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction regulations	Lump Sum	1		
C100.03	Submission of the Health and Safety File	Lump Sum	1		
C100.04	Provision for OHS consultant	Prov Sum	1	900,000.00	900,000.00
C100.05	Medical Surveillance Program for all employees, Entry, Exit and Annual Medicals	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
C100.06	Communication Per Month per Safety Officer 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		
C100.07	PPE for all beneficiaries at 4 pairs per year				
	(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		
C100.08	Safety Signs				
	(a) Site Notice Boards	No	5		
	(b) Site office direction sign	No	5		
	(c) No smoking signs	No	5		
C100.09	Safety Equipment				
	(a) Fire Extinguishers (9kg)	No	5		
C	TOTAL CARRIED FORWARD TO SUMMARY				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
D100	ENVIRONMENTAL MANAGEMENT PLAN				
D100.01	Pernalty for unnecessary removal or damage to trees for the following diameter sizes:				
	(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
D100.02	Penalty for serious violations				
	(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
D100.03	Penalty for less serious violations				
	(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
D	TOTAL CARRIED FORWARD				-

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought forward					-
	(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
D100	TOTAL CARRIED TO SUMMARY				-

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CALCULATION OF TENDER SUM

DESCRIPTION	AMOUNT
<p>CONTRACT NO:LDPWRI-ROADS/17023 HOUSEHOLD ROUTINE ROAD MAINTENANCE PROJECT MAKHUDUTHAMAGA 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 & 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>	