

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION A 1300						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.01		<u>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
		<p>The Contractor's Establishment on site and general obligations:</p> <p>(a) (l) Asphalt Paving Team</p>	Per visit/Task Order	0		Rate only
1300						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION A 1300						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTIT Y	RATE	AMOUNT
13.01		<b><u>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u></b>				
		<b>The Contractor's Establishment on site and general obligations:</b>				
		(a) (i) Patching Team 1	Per visit/Task			Rate only
		(a)(ii) Saw Cutting team	Per visit/Task Order			Rate only
1300						

**SECTION C 1300**

ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
42.01		<b><u>CONTRACTOR'S ESTABLISHMENT ON SITE</u></b>				
		<b>The Contractor's Establishment on site and</b>				
		<b>(I) Chip and Spray</b>	Per visit/Task Order			Rate only
		<b>(II) Dilute Emulsion</b>	Per visit/Task Order			Rate only
		<b>(III) Prime</b>	Per visit/Task Order			Rate only
		<b>(IV) Rubber Blending</b>	Per visit/Task Order			Rate only
		<b>(V) Crack Sealing</b>	Per visit/Task Order			Rate only
<b>1300</b>						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION 1800						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1800		DAYWORKS				
B18.01		Personnel during normal working hours				
		a) Unskilled labour (workman)	hour			Rate only
		b) Semi-skilled labour(workman)	hour			Rate only
		c) Skilled labour	hour			Rate only
B18.02		d) Foreman	hour			Rate only
		<u>Plant hire: Work Rates on Site</u>				
B18.03		Tipper trucks				
		(i) 3 - 5 ton	hour			Rate only
		(ii) 5.1 - 10 ton	hour			Rate only
B18.04		Tractor/Loader/Backhoe	hour			Rate only
B18.05		Grader (CAT 140G or simillar)	hour			Rate only
B18.06		LDV	hour			Rate only
B18.07		Compaction rollers				
		(i) Vibratory roller	hour			Rate only
		(ii) Tamping roller	hour			Rate only
		(iii)' Grid roller	hour			Rate only
B18.08		Hand controlled compactors	hour			Rate only
		(i) Pedestrian roller	hour			Rate only
		(ii) Vibratory plate	hour			Rate only
		(iii) Rammers	hour			Rate only
B18.09		Water truck	hour			Rate only
B18.10		Dozzer ( D7 or simillar)	hour			Rate only
1800						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION 2100					
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	RATE	AMOUNT
2100		<b>MANHOLES,OUTLET STRUCTURES AND CLEANING EYES</b>			
		Excavation, clearing and disposal of accumulated sediments in existing lined drains and drainage system Using labour enhanced construction method:			
		(a) Mainhole inlet and outlet structures	m <sup>3</sup>		Rate Only
		(b) Culvert barrels	m <sup>3</sup>		Rate Only
		(c)Concrete and outhter lined side drains	m <sup>3</sup>		Rate Only
		Excavations, Cleaning and Disposal of accumulated sediments in existing lined drains and drainange using conventional methods( up to 1,5m):			
		(a) Manhole and inlet and outlet structure	m <sup>3</sup>		Rate Only
		(b) Culvert barrels	m <sup>3</sup>		Rate Only
		(3) Concrete or other lined side drains	m <sup>3</sup>		Rate Only
		using conventional methods( in access 1,5m):			
		(a) Manhole and inlet and outlet structure	m <sup>3</sup>		Rate Only
		(b) Culvert barrels	m <sup>3</sup>		Rate Only
		(3) Concrete or other lined side drains	m <sup>3</sup>		Rate Only
		<b>CLEANING AND MAINTENANCE OF EXISTING EARTH CHANNELS</b>			
		Cleaning earth drains and channels	m <sup>3</sup>		Rate Only
		Loading and hauling material in excess of 1,0 km	m <sup>3</sup> -km		Rate Only
2100					

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

ITEM NO	CONST METHOD					SECTION B 3800:
		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200		PREFABRICATED CULVERTS				
22.01		Excavation:				
		(a) Excavating soft material situated within the following depth ranges below the surface level:				
		(i) 0m up to 1,5m	m³			Rate only
		(ii) 1,5m up to 3,0m	m³			Rate only
		(b) Extra over subitem 22,01(a) for excavation in hard material, irrespective of depth	m³			Rate only
22.02		Backfilling				
		(a) Using excavated material	m³			Rate only
		(b) Using imported selected material	m³			Rate only
		(c) Extra over subitems 22.02 (a) and (b) for soil cement backfilling (5 % OPC)	m³			Rate only
22.03		Concrete pipe culverts:				
		(a) On class B bedding				
		(i) Type SC 100D-load pipes with ogee joints:				
		(1) 600 mm diameter, class 100 D	m			Rate only
		(2) 750 mm diameter, class 100 D	m			Rate only
22.05		Portal and rectangular culverts				
		(a) Without floor slabs				
		(i) 1200x900mm class 100S	m			Rate only
22.12		Removing existing concrete				
		(a) Plain concrete	m³			Rate only
		(b) Reinforced concrete	m³			Rate only
22.17		Manholes, catchpits, Precast inlet and Outlet Structures complete:				
		(a) Kerb Inlet (as per dr.) (LI)	no			Rate only
		(b) Junction box/Manhole (as per dr.) (LI)	no			Rate only
		(c) Precast inlet and outlet structures (as per dr.) (LI)	no			Rate only
2200						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION B 3800:						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<b><u>Bill of Quantities and Pothole Repairs</u></b>				
3800		<b>Patching and Repairing (Pothole Patching)</b>				
38		<b>Saw Asphalt or Cemented pavement layers for Patching:</b>				
		(a) Sawing Asphalt	per m <sup>2</sup>			Rate only
		(b) Cutting Asphalt	per m			Rate only
		(c) Sawing Cemented Layers				
		(i) Cemented Material	per m <sup>2</sup>			Rate only
		(ii) Cemented Crushed Stone	per m <sup>2</sup>			Rate only
38		<b>Excavating and removing Existing bitumenous material(except milled material) :</b>				
		b)Materials to be disposed of with the avarage depth of excavation				
		(1) Not Exceeding 30mm	per m <sup>2</sup>			Rate only
		(2) Exceeding 30mm but not 60mm	per m <sup>2</sup>			Rate only
		(3) Exceeding 60mm	per m <sup>2</sup>			Rate only
38		<b>Backfilling of excavations for Patching - Chemically Stabalized using 30%</b>				
		(1) Not Exceeding 1m <sup>2</sup>	per m <sup>2</sup>			Rate only
		(2) Exceeding 1m <sup>2</sup> but not 5m <sup>2</sup>	per m <sup>2</sup>			Rate only
		(3) Exceeding 5m <sup>2</sup> but not 10m <sup>2</sup>	per m <sup>2</sup>			Rate only
		<b>Compacting the Floor of Excavations</b>	per m <sup>2</sup>			Rate only
		<b>Prime:</b>	per l			Rate only
		<b>Bitumen Treated Base Material:</b>	per t			Rate only
3800						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION A 4200						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
42.01		<b><u>ASPHALT BASE AND SURFACING</u></b>				
		<b>ASPHALT BASE (BTB)</b> Continuously graded	Per t			Rate only
		<b>b) Asphalt Surfacing</b>				
		1) continuously graded (medium)	Per t			Rate only
		(2) Continously graded (fine)	Per t			Rate only
		(3) Tack coat 30% stable grade emulsion	Per l			Rate only
42.02		4) Binder Variation	Per t			Rate only
4200						



RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION C 4400						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
44.01		<b>Single Seal</b> <b>Single surface treatment with penetration</b> a) 4,75mm b) 6,7mm c) 9,5mm d) 13,2mm e) 16,0mm	per m <sup>2</sup> per m <sup>2</sup> per m <sup>2</sup> per m <sup>2</sup> per m <sup>2</sup>			Rate only Rate only Rate only Rate only Rate only
44.02		<b><u>Bitumen Binder Variations</u></b> (a) 150/200 or 80/100 Bitumen (b) MC/3000 Bitumen	per l per l			Rate only Rate only
44.03		<b><u>Aggregate Variation</u></b> a) 4,75mm b) 6,7mm c) 9,5mm d) 13,2mm e) 16,0mm	per m <sup>3</sup> per m <sup>3</sup> per m <sup>3</sup> per m <sup>3</sup> per m <sup>3</sup>			Rate only Rate only Rate only Rate only Rate only
4400						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION C 4400						
ITEM NO	CONST	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<b>Excavation for Patching</b>  <b>Milling</b> 1) 0-30 m <sup>3</sup> 2) 30-60 m <sup>3</sup> 3) 60-100 m <sup>3</sup> 4) 100m <sup>3</sup> - plus  <u><b>The Contractor's Establishment on site and general obligations:</b></u>  Milling Machine (l) Asphalt Paving Team  <u><b>Asphalt Base and Surfacing</b></u>  Tack coat of 30% Stable Grade Emulsion <b>Backfilling of Excavationss for Patching With</b> <u><b>(a) Asphalt Base</b></u>  (1) Not Exceeding 1m <sup>2</sup> (2)Exceeding 1m <sup>2</sup> but not 5m <sup>2</sup> (3)Exceeding 5m <sup>2</sup> but not 10m <sup>2</sup>  <u><b>(b) Asphalt Surfacing</b></u>  (1) Not Exceeding 1m <sup>2</sup> (2)Exceeding 1m <sup>2</sup> but not 5m <sup>2</sup> (3)Exceeding 5m <sup>2</sup> but not 10m <sup>2</sup>	per m <sup>3</sup>    per m <sup>3</sup> per m <sup>3</sup> per m <sup>3</sup> per m <sup>3</sup>   Per visit/Task Order   per m <sup>2</sup>   per t per t per t   per m <sup>2</sup> per m <sup>2</sup> per m <sup>2</sup>			Rate only    Rate only Rate only Rate only Rate only   Rate only   Rate only   Rate only Rate only Rate only
4400						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION C 4500						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
44.05		Pre-coating the aggregate at a 12/m <sup>3</sup>	per m <sup>3</sup>			Rate only
45.01		<b>Double Seals</b> <b>Double Surface Treatment With Penetration grade Bitumen</b>				
		(a) 19,0mm + 9,5mm	per m <sup>2</sup>			Rate only
		c) 13,2mm+ 6,7mm	per m <sup>2</sup>			Rate only
45.01		<b>Double Surface Treatment with 65% Spray grade</b>				
		(a) 19,9mm + 9,5mm	per m <sup>2</sup>			Rate only
		c) 13,2mm+ 6,7mm	per m <sup>2</sup>			Rate only
45.02		<b>Bitumen Binder Variations</b>				
		(a) 150/200 or 80/100 Bitumen	per l			Rate only
		(d) 65% Spray Grade Emulsion	per l			Rate only
		(d) 60% Spray Grade Emulsion	per l			Rate only
45.03		<b>Aggregate Variation</b>				
		(a) 19,0mm	per m <sup>3</sup>			Rate only
		(b) 13,2mm	per m <sup>3</sup>			Rate only
45.04		c) 9,5mm	per m <sup>3</sup>			Rate only
45.05		d) 6,7mm	per m <sup>3</sup>			Rate only
		<b>Application of Fog Spray Emulsion by Hand</b>				
		a) 30% Emulsion	per l			Rate only
		b) 40% Emulsion	per l			Rate only
		c) 50% Emulsion	per l			Rate only
		d) 60% Emulsion	per l			Rate only
		<b>Application of Fog Spray Emulsion by Machine</b>				
		a) 30% Emulsion	per l			Rate only
		b) 40% Emulsion	per l			Rate only
		c) 50% Emulsion	per l			Rate only
		d) 60% Emulsion	per l			Rate only
		<b>Pre-coating the aggregate at a 12l per m<sup>3</sup></b>	per l			Rate only
4500						

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS,  
RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL  
MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION 4600						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
46.01		<u><b>BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)</b></u>  <b>Single Seal with 19,0mm aggregate and Slurry,</b>  Bitumen and a 60% Stable Grade Emulsion for the Slurry Seal	per m <sup>2</sup>			Rate only
46.02		<b>Bitumen Binder Variation</b>  a) 150/200 or 80/100 Bitumen  b) 65% Spray Grade emulsion  c) Anionic Stable Grade Emulsion 60%	per l  per l  per l			Rate only  Rate only  Rate only

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION C 4800						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	48.01	<u>Treatment of an Existing Surface Exhibiting Certain Defect</u>  Chemical stabilization extra over unstabilized				
	(a)	30% Cationic emulsion	per l	0		Rate only
	(b)	40% Cationic emulsion	per l	0		Rate only
	(c)	60% Cationic emulsion	per l	0		Rate only
	48.02	Texturing				
	(a)	Tack Coat 30% Emulsion	per l			Rate only
	48.03	Cleaning the Cracks with compressed air	per Km			Rate only
		Applying bituminous binders and herbicides for				
		a) Herbicide	per l			Rate only
		b) MSP/1 or similar primer	per l			Rate only
		c) Anionic stable-grade emulsion mixed with synthetic modifiers	per l			Rate only
		d) Hot bitumen rubber	per l			Rate only
		Cold rubber-slurry mix for sealing cracks	m <sup>3</sup>			Rate only
		Rolling the cracks	m			Rate only
	4800					

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION 5400					
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	RATE	AMOUNT
		<b>ROAD RESTRAINT SYSTEMS</b>			
<b>5400</b>		<b>Erection of guardrails at 3,81m spacing</b>			
		Complete galvanized system compliant to SANS 1350:			
5401		(a) On timber posts	m		Rate only
5402		(b) On steel posts used at specific location	m		Rate only
		(d) Extra over 5401(a) and 5402 (b) for excavating holes of posts using labour enhanced methods (soft and intermediate)	m		Rate only
5404		Terminal sections for 3.81 guardrails comprising of:			
		(a) End wing to SANS 1350	No		Rate only
		(b) Bullnose to SANS 1350	No		Rate only
		(c) Bridge adapters to SANS 1350	No		Rate only
		(d) End treatment where single guardrail section are specified	No		Rate only
		(e) End treatment where double guardrail section are specified	No		Rate only
		(f) Bridge adapters (including extra rails and posts )	No		Rate only
		Extra over fo horizontally curved guardrails	m		Rate only
		<b>Removing existing damaged guardrails</b>	m		Rate only
<b>5400</b>					

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

SECTION 7300						
ITEM NO	CONST METHOD	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7303	7300	<b>Concrete Block Paving For Roads</b>				
		<b>Construction</b>				
		(b) 25mm Bedding coarse sand	m <sup>2</sup>			Rate only
		(c) 80mm Tan Concrete interlocking paving blocks	m <sup>2</sup>			Rate only
		60 mm Tan Concrete interlocking paving blocks	m <sup>2</sup>			Rate only
		d) Cast in Situ or prefabricated concrete beams	m <sup>3</sup>			Rate only
		Provision and application of approved herbicide and ant poison				Rate only
73.02						
73.03		Provision of materials	Prime Cost Sum			Rate only
		Contractors charges and profit added to the prime cost sum	%			Rate only
	7300					

RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

ITEM NO	CONST METHO D	DESCRIPTION	UNIT	RATE	AMOUNT
M6100		<b>GRASS CUTTING: SHOULDER AND GENERAL MOWING</b>			
LI		<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		Rate only
LI		<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		Rate only
LI		<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		Rate only
LI		<b>Additional cutting</b> (a)Any area on instruction of the Engineer	m <sup>2</sup>		Rate only
		(c) 1m cut either side of concrete drains	km		Rate only
M6100					



RLM/DRT/0152/2024/25 THE REHABILITATION OF DAMAGED SURFACING, FOUNDATION LAYERS, RESEALING AND ROAD MAINTENANCE IN VARIOUS AREAS WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

ITEM NO	CONST METHOD	DESCRIPTION	UNIT	RATE	AMOUNT
<b>M3300</b>		<b>SHOULDER REPAIRS</b>			
M330.01 LI <sup>3</sup>		Reinstating gravel shoulders			
		(a)Ripping, watering, mixing, placing and compacting existing shoulders to 93% of modified AASHTO density	m <sup>3</sup>		Rate only
		(b)Extra over sub-item M330.01 (a) for adding extra material from borrowpits outside the road reserve	m <sup>3</sup>		Rate only
		(c ) Extra over sub-item M330.01 (a) for stabilising material	m <sup>3</sup>		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 <sup>3</sup> -km		Rate only
<b>M3300</b>					