

**Contract No.: LIM473/MATHOUSAND-R&B/23/24/023**  
**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
**Civil and Structural Works**

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
COLTO 1200		<b>SECTION 1200</b>				
		<b>GENERAL REQUIREMENTS &amp; PROVISIONS</b>				
B12.01	LI	The Contractor's obligations in respect of Local and other Labourers				
		(a) Provision for Medical Examination for Local Labourers	P/sum	1.00	20 000.00	20 000.00
		(b) Overhead, charges and profit on (a) above	%	20 000.00		-
		<b>Health and Safety</b>				
B12.09		(a) Health and Safety conducted by an independent consultant	P/sum	1.0	250 000.00	250 000.00
		(b) Overhead, charges and profit on H/S above	%	250 000.00		-
<b>B12.02</b>		<b>Environmental Management</b>				
		(a) Environmental Studies conducted by an independent consultant	P/sum	1.0	250 000.00	250 000.00
		(b) Overhead, charges and profit on EMP above	%	250 000.00		-
B12.04	LI	<b>Training</b>				
		(a) EPWP training for local labourers	P/sum	1.00	200 000.00	200 000.00
		(b) Overhead, charges and profit on traing above	%	200 000.00		-
		<b>In-service training</b>				
		Allow for on-site period of training of student trainee	P/sum	1.0	40 000.00	40 000.00
		Handling cost and profit in respect of training	%	R 40 000.00		-
		<b>Project Employment</b>				
B12.02		a) Remuneration of (1) CLO's	P/sum	1.00	48 000.00	48 000.00
		(b) Overhead, charges and profit on above	%	48 000.00		-
		<b>Safety Representative</b>				
		Allow for employment of a safety representative	P/sum	1.0	48 000.00	48 000.00
		Handling cost and profit in respect of safety representative	%	R 48 000.00		-
		<b>Relocation, removal, realignment and replacement of services</b>				
		Locating, protection, alteration and relocation of existing services carried out by authorities				
		Water pipelines	Prov sum	1.00	150 000.00	150 000.00
		Sewarage	Prov sum	1.00	10 000.00	10 000.00
		Electrical Powerlines	Prov sum	1.00	300 000.00	300 000.00
		Handling cost and profit in respect of relocation of existing surfaces	%	R 460 000.00		-
		Relocation of property boundary fencing	Prov sum	1.00	150 000.00	150 000.00
		Handling cost and profit in respect of relocation of fencing	%	R 150 000.00		-
B12.10		<b>Special Services</b>				
		Provisional Sum for Registered Land Surveyor to confirm stand corner pegs.	Prov sum	1.00	10 000.00	10 000.00
		Handling cost and profit in respect of surf above	%	R 10 000.00		-
B12.07	LI	Advertising signboards,nameboards as per Makhuduthamaga LM Specifications	No.	2.00	8 000.00	16 000.00
		<b>TOTAL: GENERAL REQUIREMENTS AND PROVISIONS CARRIED TO FORWARD</b>				
<b>TOTAL</b>						

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1300</b>		<b>SECTION 1300</b>				
		<b>CONTRACTORS ESTABLISHMENT</b>				
B13.01		(a) Fixed obligations	L/sum	1.0		-
		(b) Value-related obligations	L/sum	1.0		-
		(c) Time-related obligations	month	8.0		-
		<b>Note: The Contractor's general obligations: Items (a) to c) "The combined total tendered for subitems (a), (b), and (c) shall not exceed 15% of the tender sum (excluding CPA, contingencies and VAT)."</b>				
B13.02		Cost to meet all of the requirements and obligations in terms of the environmental management plan and specification	Sum	1.0		-
B13.03		Health and Safety obligations	Sum	1.0		
		<b>TOTAL: CONTRACTORS ESTABLISHMENT CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

**Contract No.: LIM473/MATHOUSAND-R&B/23/24/023**  
**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
**Civil and Structural Works**

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1400</b>		<b>SECTION 1400</b>				
		<b>HOUSING,OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL</b>				
14.01		Office and laboratory accommodation				
		(a) Offices (interior floor space only)	m <sup>2</sup>	18.0		-
		(e) Ablution units	m <sup>2</sup>	0.0		-
14.02		Office and laboratory furniture				
		(a) Chairs	No	2.0		-
		(d) Desks, complete with drawers and locks	No	1.0		-
		(e) Drawing tables	No	1.0		-
14.03		Office and laboratory fittings Installations and equipment				
		(a) Items measured by number				
		(i) 220/250 volt power points	No	3.0		-
		(iii) Double 80 watt fluorescent light fittings complete with ballast and tubes	No	2.0		-
		(xi) Air conditioning units with 2,2 kW minimum capacity, mounted and with own power connection	No	1.0		-
		(xv) Steel filing cabinets with drawers	No	2.0		-
		(xvi) Refrigerators	No	1.0		-
		(xvii) Bookcases	No	1.0		-
B14.03		(xx) Printer	No	1.0		-
		(xxi) Catridge	No	4.0		-
		(b) Prime-cost items and items paid for in a lump sum:				
		(i) Provision of telephone service, including the cost of calls in connection with contract administration and telephone rental	PC sum	1.0	4 000.00	4 000.00
		(ii) Handling costs and profit in respect of sub-item 14.03(b)(1) above	%	4 000.0		-
		(c) Items measured by area				
		(v) Roller blinds, opaque type	m <sup>2</sup>	2.0		-
		(viii) Notice boards as specified				
		a) Whiteboard 1.5 m x 1.2 m	m <sup>2</sup>	1.8		-
		b) Pin board 1.5 m x 1.2 m	m <sup>2</sup>	1.8		-
14.04		(a) Car ports, as specified, at offices and laboratory buildings	No	1.0		-
14.10		Provision of photostat facilities	month	8.0		
		<b>TOTAL: HOUSING,OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL</b>				
		<b>CARRIED FORWARD TO SUMMARY</b>				
<b>TOTAL</b>						

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1500</b>		<b>SECTION 1500</b>				
		<b>ACCOMMODATION OF TRAFFIC</b>				
B15.01		Accommodating traffic & maintaining temporary deviations (Paid only in agreed situations. General accommodation of traffic must be included in the rates)				
		(a) Across the River	km	1.00		-
15.03		Temporary traffic-control facilities:				
		(a) Flagmen	man-day	110.00		-
		(b) Portable STOP and GO-RY signs	No	6.00		-
		(e) Road signs, R- and TR-series, (1200mm in diameter)	No	4.0		-
		(f) Road signs, TW-series, (1 524mm sides)	No	4.0		-
		(g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delineators and barricades)	m²	1.0		-
		(h) Delineators - Single	No	15.00		-
		(j) Traffic cones (size indicated)	No	20.0		-
15.06		Watering of temporary deviations	kl	1 200.0		-
15.08		Repairs, alterations and/or additions to existing roads used as temporary deviations	Prov sum	1.0	5 000.00	5 000.00
		(2) Overhead, charges and profit on above	%	5 000.0		-
15.10		Accommodation of traffic where the road is constructed in half - widths	km	4.0		-
15.12		Temporary Culverts	m	2.00		-
B15.14		Traffic Safety officer	Months	8.00		-
		<b>TOTAL: ACCOMMODATION OF TRAFFIC CARRIED TO SUMMARY</b>				

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1600</b>		<b>SECTION 1600 OVERHAUL</b>				
16.02		Overhaul on material hauled in excess of 1.0km (ordinary)	m <sup>3</sup> -km	38 000.00		-
		<b>TOTAL: OVERHAUL CARRIED TO SUMMARY</b>				-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1700</b>		<b>SECTION 1700 CLEARING &amp; GRUBBING</b>				
17.01		Clearing & Grubbing	ha	2.85		-
17.02	LI	Removal and grubbing of large trees and tree stumps				
	LI	(a) Girth exceeding 1m up to and including 2m	No	1		-
	LI	(b) Girth exceeding 2m up to and including 3m	No	1		-
B17.09		Demolition and disposal of structures:				
		(a) Concrete	m <sup>3</sup>	5.00		-
		(b) Brickwork	m <sup>2</sup>	15.00		-
		<b>TOTAL: CLEARING AND GRUBBING CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>1800</b>		<b>SECTION 1800</b>				
		<b>DAYWORKS</b>				
		Dayworks				
B18.01	LI	Personnel working during normal working hours				
		(a) Unskilled labour	hrs	25.0		-
		(b) Semi-skilled labour	hrs	10.0		-
		(c) Skilled labour	hrs	17.0		-
		(d) Ganger	hrs	17.0		-
		(e) Flagmen	hrs	17.0		-
B18.02		(a) Personnel working outside normal working hours				
		(i) Un-skilled labour	hrs	8.0		-
		(ii) Semi-skilled labour	hrs	8.0		-
		(iii) Skilled labour	hrs	8.0		-
		(iv) Ganger	hrs	8.0		-
		(v) Flagmen	hrs	8.0		-
		(vi) Supervisor	hrs	8.0		-
		(vii) Foreman	hrs	4.0		-
		(viii) Artisans	hrs	4.0		-
		(ix) Survey assistants	hrs	2.0		-
B18.03		Equipment				
		(a) Bulldozer with rippers (minimum 125kW)	h	5.0		-
		(b) Front end loader (minimum 60kW)	h	5.0		-
		(c) Tractor loader backhoe 4 x 4 (50kW)	h	5.0		-
		(d) Track excavator (125kW)	h	5.0		-
		(e) Smooth drum roller (12 ton)	h	3.0		-
		(f) Water bowser (10 000 litre)	h	3.0		-
		(g) Tip truck 6 m³ capacity	h	3.0		-
		(h) Tip truck 10 m³ capacity	h	3.0		-
		(i) Water pump (75mm diameter with 50m hose)	h	5.0		-
B18.04		Transport				
		(a) LDV (1600cc)	km	100.0		-
		(b) Flatbed truck (5 ton)	km	100.0		-
		(c) Low bed truck (max 15 ton)	km	100.0		-
B18.05		Purchase of materials				
		(i) Procurement of materials	Prov Sum	1.0	50 000.00	50 000.00
		(ii) Handling costs and profit	%	10.0	50 000.00	5 000.00
		<b>TOTAL: DAYWORKS</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						<b>55 000.00</b>

Contract No.: LIM473/MATHOUSAND-R&amp;B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>2100</b>		<b>SECTION 2100 DRAINS</b>				
21.02	LI	(a) Clearing and shaping existing open drains	m <sup>3</sup>	5.0		-
21.03		Excavation for subsoil drainage systems: (a) Excavating soft material situated within the following depth ranges below the surface level:  (i) 0 m up to 1,5 m	m <sup>3</sup>	85.0		-
		(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m <sup>3</sup>	18.0		-
21.04		Impermeable backfilling to subsoil drainage systems	m <sup>3</sup>	0.0		-
21.06		Natural permeable material in subsoil drainage systems (crushed stone):  (a) Crushed stone obtained from approved sources on the site  (i) Fine grade	m <sup>3</sup>	0.0		-
		(ii) Coarse grade	m <sup>3</sup>	50.0		-
21.07		Natural permeable material in subsoil drainage systems (sand):  (a) Sand from approved sources on the site  (i) Fine grade	m <sup>3</sup>	0.0		-
		(ii) Coarse grade	m <sup>3</sup>	0.0		-
21.08	LI	Pipes in subsoil drainage systems:  (b) Unplasticised PVC pipes and fittings, normal duty complete with couplings  (1) 100 mm internal dia. perforated or slotted	m	170.0		-
21.09		Polyethylene sheeting, 0,15 mm thick, or similar approved material, for lining subsoil drainage systems	m <sup>2</sup>	0.0		-
21.10	LI	Synthetic-fibre filter fabric  Bidim Nonwoven Geotextile or similar approved	m <sup>2</sup>	410.0		-
21.12	LI	Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil drainage systems:  (a) Outlet structures	No	3.0		-
		(c) Junction boxes	No	1.0		-
21.15		Overhaul for material hauled in excess of 1,0 km free-haul (normal overhaul)	m <sup>3</sup> -km	200.0		-
		<b>TOTAL: DRAINS CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-



C2.2.9

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>3100</b>		<b>SECTION 3100 BORROW MATERIALS</b>				
31.01		<b>Excess overburden</b>	m <sup>2</sup>	2 000.00		-
31.02		Excess overburden in borrow pits for obtaining crushed stone for pavement layers:				
		(a) Overburden in soft or intermediate excavation	m <sup>3</sup>	600.00		-
		(b) Overburden in hard excavation	m <sup>3</sup>	120.00		-
31.03		Finishing-off borrow areas in:				
		(a) Hard material	ha	0.10		-
		(b) Intermediate material	ha	0.10		-
		(c) Soft material	ha	0.10		-
		<b>TOTAL: BORROW MATERIALS CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
3200		<b>SECTION 3200</b> <b>SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS</b>				
32.01		<b>Providing a crushing and/or screening plant:</b>				
		(a) Single-stage crusher	No.			-
		(b) Two-stage crusher	No.	2.00		-
		(c) Screening plant	No.	2.00		-
		(d) Multiple-stage crusher and screening plant	No.			-
32.02		<b>Re-erecting the crushing and/or screening plant:</b>				
		(b) Two-stage crusher	No.	2.00		-
		(c) Screening plant	No.	2.00		-
32.03		<b>Crushing and screening:</b>				
		(a) Single-stage crusher	No.	0.00		-
		(b) Two-stage crusher	No.	2.00		-
		(c) Screening plant	No.	2.00		-
		(d) Multiple-stage crusher and screening plant	No.	0.00		-
32.04		Removal of oversize pavement material	m³	10.00		-
32.05		Additional normal grid rolling	m³	3.00		-
32.06		Stockpiling of material	m³			-
		<b>TOTAL: SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>3300</b>		<b>SECTION 3300</b>				
		<b>MASS EARTHWORKS</b>				
33.01		<b>Cut and borrow to fill, including free-haul up to 0.5km</b>				
		(a) Material in compacted layer thicknesses				
		(i) Compacted to 90% MOD.AASHTO density	m <sup>3</sup>	5 060.00		-
		(c) Rock fill (as specified in Subclause 3209(c))	m <sup>3</sup>	550.00		-
33.03		<b>Extra over item 33.01 for excavating and breaking down material in:</b>				
		(b) Hard Excavation	m <sup>3</sup>	506.00		-
33.04		<b>Cut to spoil including free-haul up to 0.5km material obtained from:</b>				
		<b>Roadworks</b>				
		(a) Soft Excavation	m <sup>3</sup>	4 960.00		-
		(c) Hard Excavation	m <sup>3</sup>	2 070.00		-
33.07		<b>Removal of unsuitable material (including free-haul of 0,5 km):</b>				
		(a) In layer thicknesses of 200 mm and less:				
		(i) Stable material	m <sup>3</sup>	10.00		-
		(ii) Unstable material	m <sup>3</sup>	10.00		-
33.10		<b>Roadbed preparation and the compaction of material:</b>				
		(b) Compaction to 93% of modified AASHTO density	m <sup>3</sup>	2 890.00		-
B33.12		<b>In situ treatment of roadbed:</b>				
		(a) In situ treatment by ripping	m <sup>3</sup>	2.00		-
		(b) Insitu treatment by blasting	P/Sum	1.00	400 000.00	400 000.00
		Handling cost and profit in respect of relocation of fencing	%	R 400 000.00		
33.13		<b>Finishing off cut and slopes, medians &amp; interchange areas:</b>				
		a) Cut slopes	m <sup>2</sup>	1 000.00		-
		b) Fill slopes	m <sup>2</sup>	1 000.00		-
B33.20		<b>Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:</b>				
		(b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:	m <sup>3</sup>	50.0		-
						-
		<b>TOTAL: MASS EARTHWORKS</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						

C2.2.13

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>3500</b>		<b>SECTION 3500</b>				
		<b>STABILIZATION</b>				
35.01		Chemical stabilization extra over unstabilized compacted layers:				
		(a) Gravel base layer	m <sup>3</sup>	2 600.00		-
35.02		Chemical stabilizing agent:				
		(a) Ordinary portland cement at 3%	t	180.00		-
35.04		Provision and application of water for curing	kl	15.00		-
		<b>TOTAL: STABILIZATION</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>3800</b>		<b>SECTION 3800</b>				
		<b>BREAKING UP EXISTING PAVEMENT</b>				
38.01		Excavating and removing existing bituminous material (except milled material):				
		(b) Material to be disposed of with the average depth of excavation:				
		(i) Not exceeding 30mm	m <sup>2</sup>	300.00		-
38.04		Excavating and spoiling material from an existing pavement and/or the underlying fill:				
		(a) Non-cemented material	m <sup>3</sup>	0.00		-
		(b) Cemented material	m <sup>3</sup>	50.00		-
38.08	LI	Sawing or cutting asphalt or cemented pavement layers				
		(a) Sawing asphalt	m <sup>2</sup>	300.00		-
		(b) Cutting asphalt	m	12.00		-
		<b>TOTAL: BREAKING UP EXISTING PAVEMENT</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

C2.2.16



Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
4200		<b>SECTION 4200</b>				
42.02		<b>ASPHALT BASE AND SURFACING</b>				
		<b>Asphalt surfacing</b>				
		(a) Continuously graded fine Graded 80/100 PEN. Bitumen				
		ii) 30mm thick medium	m <sup>2</sup>	14 000.00		-
		<b>TOTAL: ASPHALT BASE AND SURFACING</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

**Contract No.: LIM473/MATHOUSAND-R&B/23/24/023**

**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
**Civil and Structural Works**

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
5100		SECTION 5100 PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION				
51.01		Stone pitching:  (b) Grouted stone pitching	m <sup>2</sup>	40.00		
TOTAL: PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION CARRIED TO SUMMARY						
TOTAL						

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>5400</b>		<b>SECTION 5400</b>				
		<b>GUARDRAILS</b>				
54.01		Guardrails on timber posts:				
		(a) Galvanized	m	30.00		-
54.04		End treatments:				
		(b) Bull noses	No	4.00		
54.06		Reflective plates				
54.12		Extra over items 54.01 for drilling and blasting holes for guardrail posts	No	40.00		
		<b>TOTAL: GUARDRAILS</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

**Contract No.: LIM473/MATHOUSAND-R&B/23/24/023**

**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
Civil and Structural Works

[illegible]

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>5700</b>		<b>SECTION 5700 ROAD MARKINGS</b>				
<b>57.01</b>	LI	Retro-reflective road marking paint:				
		(a) White lines (broken or unbroken)				
		(1) 100 mm wide	km	2.50		-
		(b) Yellow lines (broken or unbroken)				
		(1) 100 mm wide	km	5.0		-
		(d) White lettering and symbols	m <sup>2</sup>	5.0		-
57.06	LI	Setting out and premarking the lines (Excluding traffic-island markings, lettering and symbols)	km	1.00		-
		<b>TOTAL: ROAD MARKINGS CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>5900</b>		<b>SECTION 5900</b>				
		<b>FINISHING THE ROAD &amp; ROAD RESERVE &amp; TREATING OLD ROADS</b>				
59.01	LI	Finishing the road & road reserve:				
		(b) Single carriageway road	km	2.50		-
		<b>TOTAL: FINISHING THE ROAD &amp; ROAD RESERVE &amp; TREATING OLD ROADS</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>6100</b>		<b>SECTION 6100</b>				
		<b>FOUNDATIONS FOR STRUCTURES</b>				
61.02		Excavation:				
		(a) Excavating soft material situated within the following successive depth ranges:				
		(i) 0 m up to 2 m	m <sup>3</sup>	256.00		-
		(b) Extra over sub-item 61.02(a) for excavation in hard material irrespective of depth	m <sup>3</sup>	52.00		-
61.03		Access and Drainage				
		(a) Access	L/Sum	1.00		-
		(b) Drainage	L/Sum	1.00		-
61.04		Backfill to excavations utilising:				
		(a) Material from the excavation	m <sup>3</sup>	20.00		-
61.06		Overhaul in excess of 1,0 km on excavated material and on material imported for backfill, foundation fill and fill for caissons fill for caissons	m <sup>3</sup> -km	728.00		-
61.07		Overbreak in excavation in hard material	m <sup>2</sup>	150.0		-
61.08		Foundation fill consisting of:				
		(a) Rock fill	m <sup>3</sup>	210.00		-
		<b>TOTAL: FOUNDATIONS FOR STRUCTURES</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>6200</b>		<b>SECTION 6200 FALSEWORK, FORMWORK AND CONCRETE FINISH</b>				
62.02		Vertical formwork to provide:				
		(i) Class F1 finish to wingwalls	m <sup>2</sup>	55.0		-
		(ii) Class F1 finish to Abutments	m <sup>2</sup>	160.00		-
		(iii) Class F1 finish to culvert	m <sup>2</sup>	220.00		-
		(iv) Class F2 finish to deck	m <sup>2</sup>	15.00		-
		(vi) Class F2 finish to footing and slab	m <sup>2</sup>	130.00		-
62.03		Horizontal formwork to provide:				
		(i) Class U1 finish to culvert	m <sup>2</sup>	120.00		-
62.04		Inclined formwork to provide:				
		i) Class F3 finish to Wingwalls.	m <sup>2</sup>	5.00		-
		<b>TOTAL: FALSEWORK, FORMWORK AND CONCRETE FINISH CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-



Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>6300</b>		<b>SECTION 6300</b>				
		<b>STEEL REINFORCEMENT FOR STRUCTURES</b>				
63.01		Steel reinforcement for:				
		(a1) Wingwalls				
		(i) Mild steel bars	t	0.34		-
		(ii) High yield stress steel bars	t	1.37		-
		(a2) Abutments				
		(i) Mild steel bars	t	1.08		-
		(ii) High yield stress steel bars	t	4.31		-
		(a3) Culvert				
		(i) Mild steel bars	t	2.57		-
		(ii) High yield stress steel bars	t	10.28		-
		(a4) Deck				
		(i) Mild steel bars	t	1.21		-
		(ii) High yield stress steel bars	t	4.86		-
		(a5) Slab				
		(i) Mild steel bars	t	1.28		-
		(ii) High yield stress steel bars	t	5.11		-
		(a6) Footings				
		(i) Mild steel bars	t	4.40		-
		(ii) High yield stress steel bars	t	17.59		-
		<b>TOTAL: STEEL REINFORCEMENT FOR STRUCTURES CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>6400</b>		<b>SECTION 6400</b>				
		<b>CONCRETE FOR STRUCTURES</b>				
64.01		Cast in situ concrete:				
		(a) Class 35/19				
		(i) Wingwalls	m <sup>3</sup>	15.00		-
		(ii) Abutments	m <sup>3</sup>	34.00		-
		(iii) Culvert	m <sup>3</sup>	100.00		-
		(iv) Deck slab	m <sup>3</sup>	36.00		-
		(v) Footings and bases	m <sup>3</sup>	170.00		-
		<b>TOTAL: CONCRETE FOR STRUCTURES</b>				
		<b>CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

Contract No.: LIM473/MATHOUSAND-R&B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG  
Civil and Structural Works

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
<b>6600</b>		<b>SECTION 6600</b>				
		<b>NO-FINES CONCRETE, JOINTS, BEARINGS, BOLT GROUPS FOR ELECTRIFICATION, PARAPETS AND DRAINAGE FOR STRUCTURES</b>				
66.01		Cast in-situ no-fines concrete class 15/19	m <sup>3</sup>	2.00		-
B66.05		Expansion joints				
		a) Construction Joint in floor slab	m	25.00		-
		Kicker joint				
		a) Construction Joint	m	30.00		-
		Vertical Construction joint in the wall				
		a) Construction Joint	m	45.00		-
66.08		Sealing joints with:				
		a) Approved polyurethane joint sealant or similar approved	m	55.00		-
		b) Waterstop joint	m	50.00		-
B66.19		Drainage pipes and weepholes:				
		(a) Drainage pipes:				
		1) Perforated pipe				
		110mm diameter perforated pipe	m	10.00		-
		110mm diameter perforated pipe	No.	2.00		-
		2) Synthetic Drainage strip with flownet drainage core or similaly approved	m <sup>2</sup>	1.00		-
66.21		Synthetic -fibre filter fabric	m <sup>2</sup>	50.00		-
66.23		Crushed stone in drainage strips	m <sup>3</sup>	2.00		-
		<b>TOTAL: NO-FINES CONCRETE, JOINTS, BEARINGS, BOLT GROUPS FOR ELECTRIFICATION, PARAPETS AND DRAINAGE FOR STRUCTURES CARRIED TO SUMMARY</b>				
<b>TOTAL</b>						-

**Contract No.: LIM473/MATHOUSAND-R&B/23/24/023**

**Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG**  
Civil and Structural Works

[illegible]

Contract No.: LIM473/MATHOUSAND-R&amp;B/23/24/023

Contract Name : CONSTRUCTION OF ACCESS ROAD AND BRIDGE FROM MATHOUSANDS TO MARAGANENG

Civil and Structural Works

SUMMARY				
LIC	Payment Reference	Description	Unit	Amount
	1200	GENERAL REQUIREMENTS & PROVISION	Sum	
	1300	CONTRACTORS ESTABLISHMENT ON SITE	Sum	
	1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL	Sum	
	1500	ACCOMMODATION OF TRAFFIC	Sum	
	1600	OVERHAUL	Sum	
LI	1700	CLEARING & GRUBBING	Sum	
	1800	DAYWORKS	Sum	
LI	2100	DRAINS	Sum	
LI	2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES & DOWNPIPES & CONCRETE LININGS FOR OPEN DRAINS	Sum	
	3100	BORROW MATERIALS	Sum	
	3200	SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS	Sum	
	3300	MASS EARTHWORKS	Sum	
	3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	Sum	
	3500	STABILIZATION	Sum	
	3800	BREAKING UP EXISTING PAVEMENT LAYERS	Sum	
	4100	PRIME COAT	Sum	
	4200	ASPHALT BASE & SURFACING	Sum	
	5100	PITCHING, STONWORK AND PROTECTION AGAINST EROSION	Sum	
	5400	GUARDRAILS	Sum	
LI	5600	ROAD SIGNS	Sum	
LI	5700	ROAD MARKINGS	Sum	
LI	5900	FINISHING THE ROAD & ROAD RESERVE & TREATING OLD ROADS	Sum	
	6100	FOUNDATIONS FOR STRUCTURES	Sum	
	6200	FALSEWORK, FORMWORK AND CONCRETE FINISH	Sum	
	6300	STEEL REINFORCEMENT FOR STRUCTURES	Sum	
	6400	CONCRETE FOR STRUCTURES	Sum	
	6600	FOR ELECTRIFICATION, PARAPETS AND DRAINAGE FOR		
	8100	TESTING MATERIALS AND WORKMANSHIP	Sum	
<b>CONSTRUCTION COST</b>			<b>Sum</b>	
CONTINGENCIES (10% )				
Sub total			Sum	
15% VAT				
<b>TOTAL COST</b>				