Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
COLTO 1200		SECTION 1200 GENERAL REQUIREMENTS & PROVISIONS				
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	20 000.0
		(b) Overhead, charges and profit on (a) above	%	20 000.00		
		Health and Safety				
B12.09		(a) Health and Safety conducted by an independent consultant	P/sum	1.0	250 000.00	250 000.0
		(b) Overhead, charges and profit on H/S above	%	250 000.00		
B12.02		Environmental Management				
		(a) Environmetal Studies conducted by an independent consultant	P/sum	1.0	250 000.00	250 000.0
		(b) Overhead, charges and profit on EMP above	%	250 000.00		
B12.04	LI	Training				
		(a) EPWP training for local labourers	P/sum	1.00	200 000.00	200 000.0
		(b) Overhead, charges and profit on traing above	%	200 000.00		
		In-service training				
		Allow for on-site period of training of student trainee	P/sum	1.0	40 000.00	40 000.0
		Handling cost and profit in respect of training	%	R 40 000.00		
		Project Employment				
B12.02		a) Remuneration of (1) CLO's	P/sum	1.00	48 000.00	48 000.0
		(b) Overhead, charges and profit on above	%	48 000.00		
		Safety Representative				
		Allow for employment of a safety representative	P/sum	1.0	48 000.00	48 000.0
		Handling cost and profit in respect of safety representative	%	R 48 000.00		
		Relocation, removal, realignment and replacement of services				
		Locating, protection, alteration and relocation of existing services carried out by authorities				
		Water pipelines	Prov sum	1.00	150 000.00	150 000.0
		Sewarage	Prov sum	1.00	10 000.00	10 000.0
		Electrical Powerlines	Prov sum	1.00	300 000.00	300 000.0
		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	150 000.0
		Handling cost and profit in respect of relocation of fencing	%	R 150 000.00		
B12.10		Special Services				
		Provisional Sum for Registered Land Surveyor to confirm stand corner pegs.	Prov sum	1.00	10 000.00	10 000.0
		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	16 000.0
TOTAL		TOTAL: GENERAL REQUIREMENTS AND PROVISIONS CARRIED TO FORWARD				

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
1300		SECTION 1300 CONTRACTORS ESTABLISHMENT				
B13.01		(a) Fixed obligations	L/sum	1.0		-
		(b) Value-related obligations	L/sum	1.0		-
		(c) Time-related obligations	month	8.0		-
		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)."				
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		
		TOTAL: CONTRACTORS ESTABLISHMENT CARRIED TO SUMMARY				
TOTAL		,	,			-

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference 1400		SECTION 1400 HOUSING,OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL				
14.01		Office and laboratory accommodation				
		(a) Offices (interior floor space only)	m²	18.0		-
		(e) Ablution units	m²	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	m²	2.0		-
		(viii) Notice boards as specified				
		a) Whiteboard 1.5 m x 1.2 m	m²	1.8		-
		b) Pin board 1.5 m x 1.2 m	m²	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		
		TOTAL: HOUSING,OFFICES AND LABORATORY FOR THE				
		ENGINEER'S SITE PERSONNEL CARRIED FORWARD TO SUMMARY				
TOTAL			•	<del>!</del>		

SECTION 1500   ACCOMMODATION OF TRAFFIC							
SECTION 1500 B15.01 Accommodating traffic & maintaining temporary deviations Poid only in grose standards. General accommodation of traffic must be included in the rates)  (a) Across the River  Temporary traffic-control facilities: (b) Flagmen  (b) Portable STOP and GO-RY signs (c) Road signs, Rv. and TR-series, (1200mm in diameter) No 4.0 (f) Road signs, TW-series, (1524mm sides) No 4.0 (g) Road signs, STW- DTG- TGS-AND TG-series (excluding defineutors and barricudes) (h) Defineators - Single (i) Traffic conse (size indicated) No 20.0  Watering of temporary deviations  Repairs, alterations and/or additions to existing roads used as temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths Traffic Safety officer  Tomporary Culveries  Traffic Safety officer  Total: ACCOMMODATION of TRAFFIC	Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Accommodating traffic & maintaining temporary deviations (Plaid orly in agreed situations. General accommodation of traffic must be included in the rottes)  (a) Across the River	Reference		SECTION 1500				
(Paid only in agreed situations. General accommodation of traffic must be included in the rates)  (a) Across the River  Temporary traffic-control facilities:  (a) Flagmen  (b) Fordable STOP and GO-RY signs  (e) Road signs. R- and TR-series, (1200mm in diameter)  (f) Road signs. TW-series, (1524mm sides)  (g) Road signs. TW-DTC-, TGS-AND TG-series (excluding delineators and barricades)  (h) Delineators - Single  (ii) Traffic cones (size indicated)  Watering of temporary deviations  Repairs, alterations and/or additions to existing roads used as temporary deviations  Repairs, alterations and profit on above  Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  TotAL: ACCOMMODATION OF TRAFFIC	1500		ACCOMMODATION OF TRAFFIC				
Temporary traffic-control facilities:  (a) Flagmen  (b) Portable STOP and GO-RY signs  (c) Road signs, R- and TR-series, (1200mm in diameter)  (d) Road signs, TW-series, (1524mm sides)  (g) Road signs, TW-, TGS- AND TG-series (excluding diemeter) and articulates)  (h) Delineators - Single  (h) Delineators - Single  (i) Traffic cones (size indicated)  No 20.0  Watering of temporary deviations  Repairs, alterations and/or additions to existing roads used as temporary demined to the temporary deviations  (2) Overhead, charges and profit on above  Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  TOTAL: ACCOMMODATION OF TRAFFIC	B15.01		(Paid only in agreed situations. General accommodation of traffic must				
(a) Flagmen (b) Portable STOP and GO-RY signs (c) Road signs, R- and TR-series, (1200mm in diameter) (f) Road signs, TW-series, (1524mm sides) (g) Road signs, STW- DTG-, TGS- AND TG-series (excluding dileneators and barricades) (h) Delineators - Single (g) Traffic cones (size indicated) (h) Delineators - Single (g) Traffic cones (size indicated) (h) Delineators - Single (g) Traffic cones (size indicated) (h) Delineators - Single (h) Delineato			(a) Across the River	km	1.00		-
(b) Portable STOP and GO-RY signs (e) Road signs, R- and TR-series, (1200mm in diameter) (f) Road signs, TW-series, (1524mm sides) (g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delireators and barricades) (h) Delineators - Single (i) Traffic cones (size indicated) No 20.0 Watering of temporary deviations 15.08 Repairs, alterations and/or additions to existing roads used as temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths Temporary Culverts Traffic Safety officer  Total: Accommodation of traffic where the road is constructed in half - widths Traffic Safety officer  Total: Accommodation of traffic where the road is constructed in half - widths Total: Accommodation of traffic where the road is constructed in half - widths Traffic Safety officer	15.03		Temporary traffic-control facilities:				
(e) Road signs, R- and TR-series, (1200mm in diameter) (f) Road signs, TW-series, (1524mm sides) (g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delineators and barricades) (h) Delineators - Single (ii) Traffic cones (size indicated)  Watering of temporary deviations  15.08 Repairs, alterations and/or additions to existing roads used as temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths Temporary Culverts Traffic Safety officer  Total: Accommodation of traffic where the road is constructed in half - widths Traffic Safety officer			(a) Flagmen	man-day	110.00		-
(I) Road signs, TW-series, (1 524mm sides) (g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delineators and barricades) (h) Delineators - Single (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) Traffic cones (size indicated) (I) No 15.00 (I) No 15.00 (I) Traffic cones (size indicated) (I) No 15.00 (I) Traffic cones (size indicated) (I) No 15.00 (I) No 15.00 (I) No 15.00 (I) No 15			(b) Portable STOP and GO-RY signs	No	6.00		-
(g) Road signs, STW-, DTG-, TGS- AND TG-series (excluding delineators and barricades)  (h) Delineators - Single (j) Traffic cones (size indicated) No 15.00 No 20.0  Watering of temporary deviations Repairs, alterations and/or additions to existing roads used as temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths Temporary Culverts  Traffic Safety officer  Traffic Safety officer  Total: ACCOMMODATION OF TRAFFIC			(e) Road signs, R- and TR-series, (1200mm in diameter)	No	4.0		-
delineators and barricades) (h) Delineators - Single (l) Traffic cones (size indicated)  15.06 Watering of temporary deviations Repairs, alterations and/or additions to existing roads used as temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths  15.12 Temporary Culverts B15.14 Traffic Safety officer  TotAL: Accommodation of Traffic			(f) Road signs, TW-series, (1 524mm sides)	No	4.0		-
15.06 Watering of temporary deviations  Repairs, alterations and/or additions to existing roads used as temporary deviations  (2) Overhead, charges and profit on above  Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  Total: Accommodation of Traffic				m²	1.0		-
15.06 Watering of temporary deviations  Repairs, alterations and/or additions to existing roads used as temporary deviations  (2) Overhead, charges and profit on above  Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  Months  Total: Accommodation of traffic			(h) Delineators - Single	No	15.00		-
Repairs, alterations and/or additions to existing roads used as temporary deviations  (2) Overhead, charges and profit on above  Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  Total: Accommodation of traffic			(j) Traffic cones (size indicated)	No	20.0		-
temporary deviations (2) Overhead, charges and profit on above Accommodation of traffic where the road is constructed in half - widths Temporary Culverts Traffic Safety officer Months  Total: ACCOMMODATION OF TRAFFIC	15.06		Watering of temporary deviations	kľ	1 200.0		-
15.10 Accommodation of traffic where the road is constructed in half - widths  Temporary Culverts  Traffic Safety officer  Months  Total: Accommodation of traffic	15.08			Prov sum	1.0	5 000.00	5 000.00
Total: Accommodation of traffic			(2) Overhead, charges and profit on above	%	5 000.0		-
TOTAL: ACCOMMODATION OF TRAFFIC	15.10		Accommodation of traffic where the road is constructed in half - widths	km	4.0		-
TOTAL: ACCOMMODATION OF TRAFFIC	15.12		Temporary Culverts	m	2.00		
	B15.14		Traffic Safety officer	Months	8.00		-

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

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference 1700		SECTION 1700 CLEARING & GRUBBING				
17.01		Clearing & Grubbing	ha	2.85		_
17.02	LI	Removal and grubbing of large trees and tree stumps		2.00		
	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	m³	5.00		-
		(b) Brickwork	m <sup>2</sup>	15.00		_
		TOTAL: CLEARING AND GRUBBING				
TOTAL		CARRIED TO SUMMARY				-

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 1800				
1800		DAYWORKS				
		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 (iii) Skilled labour	hrs hrs	8.0 8.0		_
		(iv) Ganger	hrs	8.0		
		(v) Flagmen (vi) Supervisor	hrs hrs	8.0 8.0		-
		(vii) Foreman	hrs	4.0		-
		(viii) Artisans (ix) Survey assistants	hrs hrs	4.0 2.0		
		(ix) Survey assistants	1115	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
		TOTAL: DAYWORKS CARRIED TO SUMMARY				
TOTAL			•		•	55 000.00

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference	LIC	Description	Offic	Qiy	Raies	Amount
2100		SECTION 2100 DRAINS				
21.02	LI	(a) Clearing and shaping existing open drains	m³	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	m³	85.0		-
		(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m³	18.0		-
21.04		Impermeable backfilling to subsoil drainage systems	m³	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	m³	0.0		-
		(ii) Coarse grade	m³	50.0		-
21.07		Natural permeable material in subsoil drainage systems (sand):				
		(a) Sand from approved sources on the site				
		(i) Fine grade	m³	0.0		-
		(ii) Coarse grade	m³	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	m²	0.0		-
21.10	LI	Synthetic-fibre filter fabric				
		Bidim Nonwoven Geotextile or similar approved	m²	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)	m³-km	200.0		
		TOTAL: DRAINS				
TOTAL		CARRIED TO SUMMARY				-

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference				,		
2300		SECTION 2300 CONCRETE KERBING, CONCRETE CHANNELING, CHUTES& DOWNPIPES & CONCRETE LININGS FOR OPEN DRAINS				
23.01	LI	Concrete kerbing				
		(a) Prefabricated mountable kerb, SABS 927, Fig 8c on straights	m	4 760.00		-
		(b) Prefabricated mountable kerb, SABS 927Fig 8c on short radius (0.3 m kerbs)	m	100.00		-
23.07		Trimming of excavations for concrete-lined open drains:				-
		(a) In soft material	m <sup>2</sup>	2 500.00		
		(b) In hard material	m <sup>2</sup>	500.00		
23.08		Concrete lining for open drains:				
		(a) Cast in situ class 25/19 concrete V-channel	m³	300.00		
		(b) Class U2 surface finish to cast in situ concrete in V-Channel	m³	2 500.00		-
23.09		Formwork to cast in situ concrete lining for open drains (class F2 surface finish):				-
		(c) To ends of slabs	m <sup>2</sup>	350.00		
23.10		Sealed joints in concrete linings of open drains (description of type with reference to drawing)	m	715.00		-
23.12		Steel reinforcement:				-
		(c) Welded steel fabric	kg	10 000.00		-
23.13		Polyethylene sheeting (0,15 mm thick) for concrete-lined open drains	m <sup>2</sup>	2 500.00		-
						-
						-
		TOTAL: CONCRETE KERBING, CONCRETE CHANNELING, CHUTES& DOWNPIPES & CONCRETE LININGS FOR OPEN				
		DRAINS CARRIED TO SUMMARY				
TOTAL						-

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 3100				
3100		BORROW MATERIALS				
31.01		Excess overburden	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	m³	600.00		-
		(b) Overburden in hard excavation	m³	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		
		TOTAL: BORROW MATERIALS				
T0T/:		CARRIED TO SUMMARY				
TOTAL						l

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 3200				
3200		SELECTION 3200 SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS				
32.01		Providing a crushing and/or screening plant:				
		(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		Re-erecting the crushing and/or screening plant:				
		(b) Two-stage crusher	No.	2.00		
		(c) Screening plant	No.	2.00		
32.03		Crushing and screening:				
		(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			
		TOTAL: SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS				
TOTAL		CARRIED TO SUMMARY				

SECTION 3300   SECTION 3300   NASS EARTHWORKS	Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
(a) Material in compacted layer thicknesses (i) Compacted to 90% MOD.AASHTO density (c) Rock fill (as specified in Subclause 3209(c))  33.03  Extra over item 33.01 for excavating and breaking down material in: (b) Hard Excavation  Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks (a) Soft Excavation (c) Hard Excavation (c) Hard Excavation (d) Hard Excavation (e) Hard Excavation (f) Hard Excavation (g) Soft Excavation (g) Hard Excavation (g) In super thicknesses of 200 mm and less: (g) Stable material (g) Unstable material (g) Unstable material (g) Unstable material (g) Compaction to 93% of modified AASHTO density (g) In situ treatment of roadbed: (g) In situ treatment of roadbed: (g) In situ treatment by ripping (g) In situ treatment by pisting (g) In situ treatment by pisting (g) Harding cost and profit in respect of relocation of fencing (g) Finishing off cut and slopes, medians & interchange areas: (g) Cut slopes (g) Fill slopes (g) Fill slopes (g) Fill slopes (g) Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haut: (g) Gravel material in compacted layer thicknesses from 200 mm to (g) Contractor, including all haut: (g) Gravel material in compacted layer thicknesses from 200 mm to (g) Contractor, including all haut: (g) Gravel material in compacted layer thicknesses from 200 mm to							
(i) Compacted to 90% MOD.AASHTO density (c) Rock fill (as specified in Subclause 3209(c))  33.03  Extra over item 33.01 for excavating and breaking down material in:  (b) Hard Excavation  Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks (a) Soft Excavation (c) Hard Excavation (d) Hard Excavation (e) Hard Excavation (form:  Roadworks (a) Soft Excavation (c) Hard Excavation (d) Hard Excavation (e) Hard Excavation (form:  Roadworks (a) In layer thicknesses of 200 mm and less: (i) Stable material (ii) Unstable material (iii) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed: (a) In situ treatment of roadbed: (a) In situ treatment by ripping (b) insitu treatment by ripping (b) insitu treatment by ripping (c) Inside of the stable of the stabl	33.01		Cut and borrow to fill, including free-haul up to 0.5km				
(c) Rock fill (as specified in Subclause 3209(c))  Extra over item 33.01 for excavating and breaking down material in:  (b) Hard Excavation  Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks  (a) Soft Excavation  (b) Hard Excavation  (c) Hard Excavation  (d) Hard Excavation  (e) Hard Excavation  (f) Hard Excavation  (g) Stable material (including free-haul of 0.5 km):  (a) In layer thicknesses of 200 mm and less:  (g) Stable material  (g) Unstable material  (g) Unstable material  (g) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu investment of roadbed:  (a) In situ treatment of possible in the stable in the sta			(a) Material in compacted layer thicknesses				
Extra over item 33.01 for excavating and breaking down material in:  (b) Hard Excavation  Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks  (a) Soft Excavation  Removal of unsuitable material (including free-haul of 0,5 km):  (a) In layer thicknesses of 200 mm and less:  (i) Stable material  (ii) Unstable material  (iii) Unstable material  Roadbed preparation and the compaction of material:  (b) Compaction to 93% of modified AASHTO density  In situ treatment by ripping  (a) In situ treatment by plasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haut:  (b) Gravel material in compacted layer thicknesses from 200 mm to  50.0 mm:			(i) Compacted to 90% MOD.AASHTO density	m <sup>3</sup>	5 060.00		-
in: (b) Hard Excavation  Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks (a) Soft Excavation (c) Hard Excavation (d) Hard Excavation (e) Hard Excavation (for Hard Excavation (d) In layer thicknesses of 200 mm and less: (i) Stable material (ii) Unstable material (iii) Unstable material			(c) Rock fill (as specified in Subclause 3209(c))	m <sup>3</sup>	550.00		-
Cut to spoil including free-haul up to 0.5km material obtained from:  Roadworks  (a) Soft Excavation  (c) Hard Excavation  (c) Hard Excavation  Removal of unsuitable material (including free-haul of 0.5 km):  (a) In layer thicknesses of 200 mm and less:  (i) Stable material  (ii) Unstable material  (iii) Unstable material  Roadbed preparation and the compaction of material:  (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by bissting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (i) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:	33.03						
from: Roadworks (a) Soft Excavation (c) Hard Excavation (d) Hard Excavation (e) Hard Excavation Removal of unsuitable material (including free-haul of 0.5 km): (a) In layer thicknesses of 200 mm and less: (i) Stable material (ii) Unstable material Roadbed proparation and the compaction of material: (b) Compaction to 93% of modified AASHTO density m³ 10.00  Roadbed proparation and the compaction of material: (b) Compaction to 93% of modified AASHTO density m³ 2 890.00  In situ treatment of roadbed: (a) In situ treatment by ripping (b) Insitu treatment by biasting Handling cost and profit in respect of relocation of fencing Handling cost and profit in respect of relocation of fencing Finishing off cut and slopes, medians & interchange areas: a) Cut slopes b) Fill slopes Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul: (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:			(b) Hard Excavation	m <sup>3</sup>	506.00		-
(a) Soft Excavation (c) Hard Excavation (d) Hard Excavation  Removal of unsuitable material (including free-haul of 0,5 km):  (a) In layer thicknesses of 200 mm and less: (i) Stable material (ii) Unstable material (iii) Unstable material  Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed: (a) In situ treatment of roadbed: (a) In situ treatment by pipping (b) Insitu treatment by pipping (b) Insitu treatment by lasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas: a) Cut slopes b) Fill slopes  B33.20  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul: (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY	33.04						
(c) Hard Excavation  Removal of unsuitable material (including free-haul of 0,5 km):  (a) In layer thicknesses of 200 mm and less:  (i) Stable material  (ii) Unstable material  (iii) Unstable material  Roadbed preparation and the compaction of material:  (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by profit in respect of relocation of fencing  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  b) Fill slopes  B33.20  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			Roadworks				
Removal of unsuitable material (including free-haul of 0,5 km):  (a) In layer thicknesses of 200 mm and less:  (i) Stable material  (ii) Unstable material  (iii) Unstable material  (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  33.13  Finishing off cut and slopes, medians & Interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(a) Soft Excavation	m <sup>3</sup>	4 960.00		-
(a) In layer thicknesses of 200 mm and less:  (i) Stable material  (ii) Unstable material  Roadbed preparation and the compaction of material:  (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by ripping  (b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:			( c) Hard Excavation	m <sup>3</sup>	2 070.00		-
(i) Stable material (ii) Unstable material (iii) Unstable material (ii) Unstable material (iii) Unstable material (iii) Unstable material (iii) Unstable material (iv) Compaction of 93% of modified AASHTO density  In situ treatment of roadbed: (a) In situ treatment by ripping (b) Insitu treatment by blasting Handling cost and profit in respect of relocation of fencing Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas: a) Cut slopes b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul: (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY	33.07		Removal of unsuitable material (including free-haul of 0,5 km):				
(ii) Unstable material  Roadbed preparation and the compaction of material: (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed: (a) In situ treatment by ripping (b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas: a) Cut slopes b) Fill slopes  B33.20  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haut: (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(a) In layer thicknesses of 200 mm and less:				
Roadbed preparation and the compaction of material:  (b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by pripping  (c) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haut:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(i) Stable material	m <sup>3</sup>	10.00		-
(b) Compaction to 93% of modified AASHTO density  In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by piping  (b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(ii) Unstable material	m <sup>3</sup>	10.00		-
B33.12 In situ treatment of roadbed:  (a) In situ treatment by ripping  (b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haut:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY	33.10		Roadbed preparation and the compaction of material:				
(a) In situ treatment by ripping (b) Insitu treatment by blasting Handling cost and profit in respect of relocation of fencing Handling cost and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(b) Compaction to 93% of modified AASHTO density	m <sup>3</sup>	2 890.00		-
(b) Insitu treatment by blasting  Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY	B33.12		In situ treatment of roadbed:				
Handling cost and profit in respect of relocation of fencing  Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(a) In situ treatment by ripping	m <sup>3</sup>	2.00		-
Finishing off cut and slopes, medians & interchange areas:  a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			(b) Insitu treatment by blasting	P/Sum	1.00	400 000.00	400 000.00
a) Cut slopes  b) Fill slopes  Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			Handling cost and profit in respect of relocation of fencing	%	R 400 000.00		
b) Fill slopes	33.13		Finishing off cut and slopes, medians & interchange areas:				
Fill constructed with material obtained from commercial sources or sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			a) Cut slopes	m <sup>2</sup>	1 000.00		-
sources provided by the Contractor, including all haul:  (b) Gravel material in compacted layer thicknesses from 200 mm to 500 mm:  -  TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY			b) Fill slopes	m <sup>2</sup>	1 000.00		-
TOTAL: MASS EARTHWORKS CARRIED TO SUMMARY	B33.20						
CARRIED TO SUMMARY				m³	50.0		-
CARRIED TO SUMMARY							-
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CARRIED TO SUMMARY							
CARRIED TO SUMMARY			TOTAL: MASS EARTHWORKS				
IUIAI	TOTAL						

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
		SECTION 3400				
3400		PAVEMENT LAYERS OF GRAVEL MATERIAL				
34.01		Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 1.0km;				
		(a) Gravel selected layer compacted to:				
		(i) 93% of modified AASHTO density for a compacted layer thickness of 150mm G7 material	m³	2 800.0		-
		(c) Gravel subbase (unstabilized gravel) compacted to:				
		(i) 95% of modified AASHTO density for a compacted layer thickness of 150mm G5 material	m³	2 700.0		-
		(f) Gravel base (chemically stabilized material)compacted to:				
		(i) 97% of modified AASHTO density for a compacted layer thickness of 150mm C4 material	m³	2 600.0		-
34.02		Extra over item 34.01 for excavation of material in:				
		(b) Hard Excavation	m <sup>3</sup>	20.00		-
						-
		TOTAL: PAVEMENT LAYERS OF GRAVEL				
		MATERIALS				
TOTAL		CARRIED TO SUMMARY				-

SECTION 3500 STABILIZATION Chemical stabilization extra over unstabilized compacted layers:  (a) Gravel base layer Chemical stabilizing agent: (a) Ordinary portland cement at 3% Provision and application of water for curing  TOTAL: STABILIZATION CARRIED TO SUMMARY	Dayman 1 11	110	Deced 6	116.29			
SECTION 3500 STABLEZATION Chemical stabilization extra over unstabilized compacted layers:  (a) Gravel base layer Chemical stabilizing agent: (a) Ordinary portland cement at 3% 1 180.00 Provision and application of water for curing Id 15.00  TOTAL:: STABILIZATION CARRIED TO SUMMARY		LIC	Description	Unit	Qty	Rates	Amount
35.01 Chemical stabilization extra over unstabilized compacted layers:  (a) Cravet base layer  75.02 Chemical stabilizing agent: (a) Ordinary portland cement at 3%  76.04 Provision and application of water for curing  77.04 In 180.00  77.04 In	reletetice		SECTION 3500	<del>                                     </del>			<del> </del>
Chemical stabilization extra over unstabilized compacted layers:  (a) Gravel base layer  Chemical stabilizing agent: (b) Ordinary portland cement at 3%  Provision and application of water for curing  TOTAL: STABILIZATION CARRIED TO SUMMARY	3500		STABILIZATION	!	۱	1	İ
Ohemical stabilizing agent:  (a) Ordinary portland cement at 3% t 180.00  Provision and application of water for curing kd 15.00  TOTAL: STABILIZATION CARRIED TO SUMMARY	35.01		Chemical stabilization extra over unstabilized compacted layers:				
(a) Ordinary portland cement at 3% t 180.00  Provision and application of water for curing H 15.00  TOTAL: STABILIZATION CARRIED TO SUMMARY			(a) Gravel base layer	m <sup>3</sup>	2 600.00		_
TOTAL: STABILIZATION CARRIED TO SUMMARY	35.02						
TOTAL: STABILIZATION CARRIED TO SUMMARY							-
CARRIED TO SUMMARY	35.04		Provision and application of water for curing	kl	15.00		-
CARRIED TO SUMMARY							
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CARRIED TO SUMMARY			TOTAL: STABILIZATION				
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	TOTAL	_					

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Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
3800		SECTION 3800 BREAKING UP EXISTING PAVEMENT				
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		-
		TOTAL: BREAKING UP EXISTING PAVEMENT				
TOTAL		CARRIED TO SUMMARY				
IUIAL						

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference	ыс		Offic	Qiy	rates	Amount
		SECTION 4100				
4100		PRIME COAT				
41.01		Prime & Tack coat				
		(1) O : 1 1 : DT1144D : : @ #	ı	11 200.00		
		(b) Quick drying RTH 1/4P tar prime @ the rate of 0.8l/m <sup>2</sup>	'	11 200.00		-
41.02		Aggregate for blinding	m <sup>2</sup>	14 000.00		-
		TOTAL: PRIME COAT				
		CARRIED TO SUMMARY				
TOTAL						

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference 4200		SECTION 4200 ASPHALT BASE AND SURFACING				
42.02		Asphalt surfacing				
		(a) Continuously graded fine Graded 80/100 PEN. Bitumen	_			
		ii) 30mm thick medium	m²	14 000.00		-
		TOTAL: ASPHALT BASE AND SURFACING				
TOTAL		CARRIED TO SUMMARY				-

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

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

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 5600				
5600		ROAD SIGNS				
56.01		Road sign boards with painted or coloured semi-matt background.  Symbols, lettering and borders in semi-matt black or in Class 1 retro- reflective material, where the sign board is constructed from:				
		(a) Aluminium sheet (2,0 mm thick)				
		(i) Area not exceeding 2 m <sup>2</sup>	m²	12.0		-
		(c) Prepainted galvanized steel plate (chromadek or approved equivalent):				
		(i) Area not exceeding 2 m <sup>2</sup>	m²	10.0		-
56.03	LI	Road sign supports (overhead road sign structures excluded):				
		(a) Steel tubing 80mm diameter	t	0.4		-
56.05	LI	Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m³	0.5		-
56.06	LI	Extra over item 56.05 for cement-treated soil backfill	m³	0.5		-
56.07		Extra over item 56.05 for rock excavation	m³	0.1		-
						-
		TOTAL: ROAD SIGNS CARRIED TO SUMMARY				
TOTAL		OSISSIED TO COMMENT				-

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 5700				
5700		ROAD MARKINGS				
57.01	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	m²	5.0		-
57.06	LI	Setting out and premarking the lines (Excluding traffic-island markings, lettering and symbols)	km	1.00		-
		TOTAL: ROAD MARKINGS				
TOTAL		CARRIED TO SUMMARY				-
IOIAL						

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference 5900		SECTION 5900 FINISHING THE ROAD & ROAD RESERVE & TREATING OLD ROADS				
59.01	LI	Finishing the road & road reserve:				
		(b) Single carriageway road	km	2.50		_
		(c), angle and general control of the control of th				
		TOTAL: FINISHING THE ROAD & ROAD RESERVE & TREATING				
		OLD ROADS  CARRIED TO SUMMARY				
TOTAL	<u> </u>	ORIGINAL IO GOMMANT	!			-

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
6100		SECTION 6100 FOUNDATIONS FOR STRUCTURES				
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		-
		TOTAL - FOUNDATIONS FOR STRUCTURES				
		TOTAL: FOUNDATIONS FOR STRUCTURES CARRIED TO SUMMARY				
TOTAL						

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 6200				
6200		FALSEWORK, FORMWORK AND CONCRETE FINISH				
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		-
		TOTAL: FALSEWORK, FORMWORK AND CONCRETE FINISH				
TOTAL		CARRIED TO SUMMARY				_
IOIAL						

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference		SECTION 6300				
6300		STEEL REINFORCEMENT FOR STRUCTURES				
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		_
		TOTAL CTEEL DEINEODCEMENT FOR CTRUCTURES				
TAT::		TOTAL: STEEL REINFORCEMENT FOR STRUCTURES CARRIED TO SUMMARY				
TOTAL						-

Doument Ita	LIC	Description	1154	O+	Date-	A max
Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
		SECTION 6400				
6400		CONCRETE FOR STRUCTURES				
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		-
		TOTAL: CONCRETE FOR STRUCTURES				
TOTAL		CARRIED TO SUMMARY				

Payment Item	LIC	Description	Unit	Qty	Rates	Amount
Reference				,		
6600		SECTION 6600  NO-FINES CONCRETE, JOINTS, BEARINGS, BOLT GROUPS FOR ELECTRIFICATION, PARAPETS AND DRAINAGE FOR STRUCTURES				
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		
		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		
		TOTAL: NO-FINES CONCRETE, JOINTS, BEARINGS, BOLT GROUPS FOR ELECTRIFICATION, PARAPETS AND DRAINAGE				
		FOR STRUCTURES CARRIED TO SUMMARY				

Payment Item Reference	LIC	Description	Unit	Qty	Rates	Amount
8100		SECTION 8100 TESTING MATERIALS AND WORKMANSHIP				
81.02		Other special tests requested by the engineer	P/Sum	1.0	20 000.00	20 000.00
		(2) Overhead, charges and profit on above	%	20 000.00	10%	2 000.00
		TOTAL: TESTING MATERIALS AND WORKMANSHIP				
TOTAL	!	CARRIED TO SUMMARY				22 000.00

#### 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

	SUMMARY							
LIC	Payment	Description	Unit	Amount				
	Reference							
	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, STONEWORK 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					
	1							
		CONSTRUCTION COST	Sum					
		CONTINGENCIES (10%)						
		Sub total 15% VAT	Sum					
		10.00						
		TOTAL COST						