

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1200						
12.00		GENERAL REQUIREMENTS AND PROVISIONS				
B12.01		Excavation for the exposing of, or searching of services:				
		(a) 0m up to and including 1m				
	LI	(i) Soft material	m³	750		
B12.02		Relocation and protection of existing services:				
		(a) Existing services to be relocated and or protected during construction	Prov sum	1	1 500 000,00	1 500 000,00
		(b) Handling cost and profit in respect of sub item B12,02 (a) above	%	1500000,00		
B12.03		Construction of Survey Beacons				
		(a) Provisional Sum for new survey beacons to be constructed or for existing survey beacons to be protected during construction	Prov sum	1	20 000,00	20 000,00
		(b) Handling cost and profit in respect of sub item B12,03 (a) above	%	20000,00		
B12.04		Health and Safety				
		(a) Fixed obligations for the preparation of risk assessments, safe work procedures, the project H & S file, the H & S plan and any other H & S matters that the contractor deems necessary,	L/sum	1		
		(b) Fixed obligations for completing and checking the Project H & S file and handing over to the Client on completion of the works,	L/sum	1		
		(c) Time related obligations for updating and amending the risk assessments, safe work procedures, the project H & S file, the H & S plan and full compliance with all H & S matters during the construction of the works under the contract,	month	12		
		Community Liason Officer (CLO) (Items included are remuneration, accredited EPWP training courses for selected labour, site office consumables and personal protective equipment.)	month	12		
		Training				
		(a) Technical skills	Prov sum	1	300 000,00	300 000,00
		(c) Remuneration of workers undergoing training including wages	Prov sum	1	60 000,00	60 000,00
		(d) Contractor's charge to allow for handling costs and profit in respect to sub item B12.04 (a) & (c)	%	360000,00		
		(h) Training of Emerging Contractors	Prov Sum	1	150 000,00	150 000,00
		(i) Contractor's charge to allow for handling costs and profit in (h)	%	150000,00		
Total Carried Forward						

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1200						
12.00		GENERAL REQUIREMENTS AND PROVISIONS				
		Scope of Works Reserved for SMMEs Development				
B12.09		Assisting Local Emerging Contractors	Prov. Sum	1	125 000,00	125 000,00
		(a) Contractor's handling costs and other charges	%	125000,00		
B12/1500		Accommodation of Traffic	Prov. Sum	1	2 584 000,00	2 584 000,00
		SMMEs Preliminary & Generals	%	2 584 000,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	2 584 000,00		
B12/2300		Concrete Kerbing, Concrete Channeling, Chutes and Downpipes and Concrete linings for open drains	Prov. Sum	1	875 000,00	875 000,00
		SMMEs Preliminary & Generals	%	875 000,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	875 000,00		
B12/3300		Mass Earthworks	Prov. Sum	1	48 600,00	48 600,00
		SMMEs Preliminary & Generals	%	48 600,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	48 600,00		
B12/5600		Road Signs	Prov. Sum	1	27 550,00	27 550,00
		SMMEs Preliminary & Generals	%	27 550,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	27 550,00		
B12/5700		Road Markings	Prov. Sum	1	1 534 750,00	1 534 750,00
		SMMEs Preliminary & Generals	%	1 534 750,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	1 534 750,00		
B12/7300		Concrete Block Paving (Segmental)	Prov. Sum	1	2 318 550,00	2 318 550,00
		SMMEs Preliminary & Generals	%	2 318 550,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/23.00	%	2 318 550,00		
C12/1700		Clearing and Grubbing	Prov. Sum	1	203 810,00	203 810,00
		SMMEs Preliminary & Generals	%	203810,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/17.00	%	203810,00		
C12/2100		Drains	Prov. Sum	1	202 710,00	202 710,00
		SMMEs Preliminary & Generals	%	202710,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/21.00	%	202710,00		
C12/2200		Prefabricated Culverts	Prov. Sum	1	890 935,00	890 935,00
		SMMEs Preliminary & Generals	%	890935,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/22.00	%	890935,00		
Total Carried Forward						

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1200						
12.00		GENERAL REQUIREMENTS AND PROVISIONS				
C12/5600		Road Signs SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/56.00	Prov. Sum % %	1 223225,00 223225,00	223 225,00	223 225,00
C12/5700		Road Marking SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/57.00	Prov. Sum % %	1 28090,00 28090,00	28 090,00	28 090,00
C12/5800		Landscaping and Planting Plants SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/58.00	Prov. Sum % %	1 261695,00 261695,00	261 695,00	261 695,00
C12/7300		Concrete Block Paving for Roads SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/56.00	Prov. Sum % %	1 193585,00 193585,00	193 585,00	193 585,00
D12/1700		Clearing and Grubbing SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/17.00	Prov. Sum % %	1 349865,00 349865,00	349 865,00	349 865,00
D12/2100		Drains SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/21.00	Prov. Sum % %	1 143205,00 143205,00	143 205,00	143 205,00
D12/2200		Prefabricated Culverts SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/22.00	Prov. Sum % %	1 886785,00 886785,00	886 785,00	886 785,00
D12/5600		Road Signs SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/56.00	Prov. Sum % %	1 187650,00 187650,00	187 650,00	187 650,00
D12/5700		Road Marking SMMEs Preliminary & Generals Contractor's handling costs and other charges in respect to Development of SMMEs item B12/57.00	Prov. Sum % %	1 29090,00 29090,00	29 090,00	29 090,00
Total Carried Forward						

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1200						
12.00		GENERAL REQUIREMENTS AND PROVISIONS				
D12/5800		Landscaping and Planting Plants	Prov. Sum	1	213 357,00	213 357,00
		SMMEs Preliminary & Generals	%	213357,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/58.00	%	213357,00		
D12/7300		Concrete Block Paving for Roads	Prov. Sum	1	227 285,00	227 285,00
		SMMEs Preliminary & Generals	%	227285,00		
		Contractor's handling costs and other charges in respect to Development of SMMEs item B12/56.00	%	227285,00		
Total Carried Forward To Summary						

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 1300				
13.00		CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
13.01		Contractor's general obligations				
		(a) Fixed obligations	L/sum	1		
		(b) Value-related obligations	L/sum	1		
		(c) Time-related obligations	month	12		
Total Carried Forward To Summary						

JDA C/N001
SECTION A - PRELIMINARY AND GENERAL

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1400						
14.00		HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL				
B14.01		Office and laboratory accommodation				
		(a) Offices (interior floor space only)	m ²	15		
		(e) Ablution units	No	2		
14.02		Office and laboratory furniture				
		(a) Chairs	No	6		
		(d) Desks, complete with drawers and locks	No	3		
		(e) Drawing tables	No	1		
		(f) Conference tables	No	1		
B14.03		Office and laboratory fittings Installations and equipment				
		(a) Items measured by number				
		(i) 220/250 volt power points	No	3		
		(ii) 400/231 volt 3-phase power points	No	1		
		(iii) Double 80 watt fluorescent light fittings complete with ballast and tubes	No	2		
		(iv) Double 55 watt fluorescent light fittings complete with ballast and tubes	No	1		
		(v) Single incandescent light fittings complete with 100 watt globes	No	1		
		(vi) Air conditioning units with 2,2 kW minimum capacity, mounted and with own power connection	No	1		
		(vii) Provision of telephone service, including the cost of calls in connection with contract administration and telephone rental.	PC sum	1	5 000,00	5 000,00
		Contractor's handling costs and other charges in respect to above item B14.03(vii)	%	5000,00		
		(viii) Notice boards as specified by the Engineer	m ²	2		
Total Carried Forward To Summary						

JDA C/N001

SECTION A - PRELIMINARY AND GENERAL

Section	Description				Amount R
SUMMARY OF SECTIONS					
1200	GENERAL REQUIREMENTS AND PROVISIONS				
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL				
SUBTOTAL					
TOTAL CARRIED OVER TO SECTION G					

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1500						
15.00		ACCOMMODATION OF TRAFFIC				
B15.01		Accommodating traffic and maintaining temporary deviations, detours, barricades and signs.	Month	12		
B15.03	LI	Temporary traffic-control facilities				
	LI	(a) Flagmen/ Traffic Controllers	Man-day	2100		
	LI	(b) Portable STOP and GO-RY signs	No	8		
		(h) Delineators (DTG50J) (size indicated):				
	LI	(1) Single	No	100		
	LI	(j) Traffic cones (size indicated) 700mm	No	100		
15.08		Repairs, alterations and/or additions to existing roads used as temporary deviations	Prov sum	1	100 000,00	100 000,00
		(a) Handling cost and profit in respect of sub item B15.08 above	%	100000,00		
Total						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1800						
18.00		DAYWORKS				
B18.01		Personnel during normal working hours:				
		(i) Unskilled labour	hr	1760		
		(ii) Semi-skilled labour	hr	880		
		(iii) Skilled labour	hr	880		
		(iv) Ganger	hr	880		
B18.02		Personnel outside normal working hours:				
		(a) Outside normal working hours and Saturdays:				
		(i) Unskilled labour	hr	1760		
		(ii) Semi-skilled labour	hr	880		
		(iii) Skilled labour	hr	880		
		(iv) Ganger	hr	880		
		(b) Sundays and Public Holidays:				
		(i) Unskilled labour	hr	1760		
		(ii) Semi-skilled labour	hr	880		
		(iii) Skilled labour	hr	880		
		(iv) Ganger	hr	880		
B18.03		Plant and Equipment:				
		(i) Tracked Excavator (18-22 ton)	hr	144		
		(ii) Front end loader minimum power 90kW	hr	144		
		(iii) Backhoe loader (TLB) (7-8 ton)	hr	144		
		(iv) Grader (CAT 140G or equivalent)	hr	144		
		(v) Compressor plus two jackhammers and two paving breakers, including hoses and tools (7 m ³ /minute mass approximately 150 cpm)	hr	144		
Total Carried Forward						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate
SECTION 1800					
18.00		DAYWORKS			
B18.03		Plant and Equipment:			
		(vi) Vibratory roller (10-14 ton, single drum, smooth)	hr	144	
		(vii) Static roller (11-13 ton)	hr	144	
		(viii) Pedestrian Roller (800-900 kg, 630 mm wide drum)	hr	144	
		(ix) Small compaction equipment (plate vibrator)	hr	144	
		(x) Pneumatic tyre roller (27 ton)	hr	144	
		(xi) Tipper Truck (10 m³)	hr	144	
		(xii) Water tanker (10 000 litre)	hr	144	
		(xiii) Concrete mixer (capacity 350 litre)	hr	144	
		(xiv) Generator (5 kVA)	hr	144	
		(xv) Low bed (30-40 ton)	hr	144	
B18.04		Materials:			
		(a) Procurement of materials	L/Sum	1	
		(b) Contractor's handling costs, profit and all other charges in respect of sub-item B18.04(a) above	%	0,00	
B18.05		Transport:			
		(a) LDV	km	1 200	
		(b) Flatbed truck (including mobile crane with 5 ton capacity)	km	1 200	
		(c) Lowbed horse and trailer	km	1 200	
Total Carried Forward To Summary					

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2100						
21.00		DRAINS				
21.03		Excavation for subsoil drainage systems:				
	LI	"(a) Excavating soft material situated within the following depth ranges below the surface level:"				
	LI	(i) 0 m up to 1,5 m	m ³	1000		
	LI	(ii) 1.5 m up to 3,0 m	m ³	500		
		"(b) Extra over subitem 21.03(a) for excavation in hard material, irrespective of depth"	m ³	250		
21.04		Impermeable backfilling to subsoil drainage systems				
		a) Selected fill material from excavations in pipe trenches	m ³	500		
21.06	LI	Natural permeable material in subsoil drainage systems (crushed stone)				
	LI	(b) Crushed stone obtained from commercial sources (19mm average diameter)	m ³	600		
21.07		Natural permeable material in subsoil drainage systems (sand)				
		(b) Sand from commercial sources	m ³	500		
21.08		Pipes in subsoil drainage systems				
		(c) Perforated Class 25 160mm diameter high density type poly-ethylene pressure (HDPE) pipes and fittings, complete with couplings, end caps, etc., complete	m	750		
21.09		Polyethylene sheeting, 0.15mm thick, or similar approved material, for lining subsoil drainage systems	m ²	3000		
21.1		Synthetic-fibre filter fabric				
		a) Geofabric filter blanket wrapped around stone encasing with 150mm side and 300mm end laps including stitching.	m ²	3000		
21.17		Test flushing of pipe subsoil drains	No	12		
B21.18		Excavation for the clearing of existing drainage systems				
		(a) Manholes and inlet and outlet structures	m ³	15		
B21/17.05		Removal of sand, silt, roots, etc. (all causes) using high pressure water jetting equipment at +450Bar pressure for pipe diameter				
		(i) 400mm dia pipe (Class 100D)	m	300		
		(ii) 450mm dia pipe (Class 100D)	m	400		
		(iii) 500mm dia pipe (class 100D)	m	300		
		(iv) 900mm dia (Class 100D)	m	200		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2300						
22.00	LI	PREFABRICATED CULVERTS				
		Provision for the maintenance/ rehabilitation/ replacement of existing stormwater controls				
22.17		Manholes, catchpits, precast inlet and outlet structures complete				
		(a) Manholes				
		(1) Brick manholes complete as per typical detail JRA-SD-SWM-004				
		(i) 1.0m to 1.5m deep	No	8		
		(ii) 1.5m to 2.0m deep	No	6		
		(iii) 2.0m to 3m deep	No	4		
		(iv) 3.0m to 4.5m deep	No	4		
		(b) Catch pits and Kerb Inlets				
		(2) complete as per typical detail JRA-SD-SWM-001				
		(i) 1.0m to 1.5m deep	No	14		
		(ii) 1.5, to 3.0m deep	No	3		
		(iii) 3.0m to 4.5m deep	No	3		
B22.29		CCTV conditional assessment of existing stormwater Lines				
		(i) 400mm dia pipe (Class 100D)	m	300		
		(ii) 450mm dia pipe (Class 100D)	m	400		
		(iii) 500mm dia pipe (class 100D)	m	300		
		(iv) 900mm dia (Class 100D)	m	200		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2300						
23.00	LI	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS				
23.02		Concrete kerbing-channelling combination				
		a) Fig 7 kerb-channel combination (rate includes the demolition, removal and disposal of existing kerbs)	m	2500		
Total						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3300				
32.00		SELECTION, STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS				
32.06		Stockpiling of milled material material(bulking factor included)				
		(d)Milled Material				
		(i)Material stock piled within 2km radius of site	m³	1 900		
		(ii)Material stock piled in excess of 2km radius of site	m³	1 900		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
33.00		SECTION 3300 MASS EARTHWORKS				
33.10		Roadbed preparation and the compaction of material (b) Compaction to 93% of modified AASHTO density	m ³	810		
Total						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 3400						
34.00		PAVEMENT LAYERS OF GRAVEL MATERIAL				
34.03		Pavement layers constructed from gravel obtained from existing pavement layers:				
		(f) Gravel subbase (chemically stabilized material) compacted to 95% of modified AASHTO density, using:				
		(ii) Cemented material (Lower Subbase 150mm thickness)	m³	950		
		(iii) Cemented material (Upper Subbase 150mm thickness)	m³	950		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3500				
35.00		STABILIZATION				
35.01		Chemical stabilisation extra over unstabilised compacted layers				
		(b) Sub-base				
		(iii) 300mm thickness	m³	1 900		
35.02		Chemical stabilizing agent:				
		(a) Ordinary portland cement	t	150		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 3800						
38.00		BREAKING UP EXISTING PAVEMENT LAYERS				
38.02		Milling out existing bituminous material with an average milling depth:				
		(a) Not exceeding 30 mm	m³	150		
		(c) Exceeding 60 mm	m³	1 000		
38.03		Milling out cemented material:				
		(b) Average milling depth exceeding 50mm but not exceeding 100mm:	m³	400		
38.04		Excavating and spoiling material from an existing pavement and/or the underlying fill:				
		(b) Cemented material	m³	400		
		(d) Bituminous material (RAP)	m³	1 150		
B38.13		Excavating milled stabilized material to stockpile and back to the road again	m²	1 900		
B38.14		Providing the milling machine on the site	Lump sum	1		
38.15		Moving the milling machine on the site for a distance exceeding 1.0km	No	2		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
39.00		SECTION 3900 PATCHING AND REPAIRING EDGE BREAKS				
39.02		Excavation in existing pavements for patching in : (a) Asphalt layers (2) Exceeding 5 m ² but not exceeding 100 m ²	t	50		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 4100				
41.00	LI	PRIME COAT				
41.01		Prime Coat				
		(c) MC-30 Cut Back Bitumen	litre	4532		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 4200						
42.00	LI	ASPHALT BASE AND SURFACING				
42.04		Tack coat of 30% stable-grade emulsion	litre	5 830		
42.11		Asphalt layer constructed for rehabilitation purposes in accordance with the provisions of subsubclauses 4213(f)(ii) or 4213(f)(iii):				
		(a) Base constructed with new asphalt (using SE-1 with a maximum stone size of 20mm)				
		(i) Continuously graded, 80mm thick	t	2 530		
		(b) Surfacing or overlay constructed with new asphalt (AP-1 maximum stone size 14mm)				
		(i) Continuously graded, 30mm thick	t	360		
		(i) Continuously graded, 50mm thick	t	510		
42.17		Asphalt reinforcing - complete (PVA GRID 25mm x 25mm)	m ²	10 600		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5600				
56.00		ROAD SIGNS				
B56.01		Road sign boards with painted or coloured semi-matt background, Symbols, lettering and borders in semi-matt black or in Class I retroreflective material, where the sign board is constructed from (c) Prepainted galvanized steel plate (chromadek 1,6 mm thick or approved equivalent):				
		(1) Regulatory - Control signs				
		(i) R1	No	4		
		(i) R3	No	6		
		(i) R4.1	No	1		
		(2) Regulatory - Command signs				
		(i) R103	No	3		
		(3) Regulatory - Prohibition signs				
		(i) R212	No	1		
		(ii) R213	No	3		
		(4) Regulatory - Reservation signs				
		(i) R354	No	8		
		(5) Warning - Hazard Marker Signs				
		(i) W402	No	3		
Total						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 5700						
57.00		ROAD MARKINGS				
57.01		Road marking paint:				
		1,5 mm Thick Thermo Plastic road marking applied according to manufacturers specifications				
		(a) White lines (broken or unbroken)				
	LI	(1) 100 mm wide	km	3		
	LI	(2) 150 mm wide	km	3		
	LI	(3) 200 mm wide	km	2		
	LI	(4) 300 mm wide	km	2		
		(b) Yellow/ Red lines (broken or unbroken)				
	LI	(1) 100 mm wide	km	2		
	LI	(2) 150 mm wide	km	2		
	LI	(3) 200 mm wide	km	2		
	LI	(4) 300 mm wide	km	2		
		2,5 mm Thick Thermo Plastic road marking applied according to manufacturers specifications				
		(1) 100 mm wide	km	3		
		(2) 150 mm wide	km	3		
		(3) 200 mm wide	km	2		
		(4) 300 mm wide	km	2		
		(d) White lettering and symbols	m ²	500		
		(e) Yellow lettering and symbols	m ²	300		
		(f) Transverse lines, painted island and arrestor bed markins (any colour)	m ²	50		
		(g) Kerb markings (any colour)	m ²	50		
		(h) Bus lane markings 1000mm wide (red)	km	1		
		Direction arrows and general road marking				
		(a) RM7.2	No	3		
		(b) RM8.1	No	2		
		(c) RM8.2	No	7		
		(d) RM8.3	No	7		
		(e) RM8.4	No	5		
Total Carried Forward						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R	
		SECTION 5700					
57.00		ROAD MARKINGS					
		Direction arrows and general road marking					
		(g) WM7.2	No	12			
		(h) WM7.3	No	12			
		(i) WM7.4	No	5			
		(j) GM7	No	2			
B57.05		Road studs and Rubble blocks					
		ACD - or other approved - composite rumble blocks no: A2014/00840 size 263 x 85 x 60mm high fixed to asphalt surfacing complete to manufacturers specification (4,25 blocks/m) of yellow colour.	m	800			
Total							

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5700/1				
57.00/1		TRAFFIC SIGNALLING				
		Provision to make allowance for Signal Design, Approval, Testing and Comissioning				
		Traffic Signal Design and Installation up to Commissioning as per JRA Approved Proposed Design	Prov Sum	1	2 000 000,00	2 000 000,00
		(a) Handling cost and profit in respect of sub item B57.00/1 above	%	2000000,00		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 5900						
59.00		FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS Finishing the road and road reserve: (a) Dual carriageway road	km	2		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 7300				
73.00		CONCRETE BLOCK PAVING (SEGMENTAL)				
B73.01		(a) Bedding Sand (25mm ± 5mm)	m ²	3900		
		(b) Concrete paving blocks (segmental) 80mm thick for sidewalks	m ²	3900		
Total						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 8100						
81.00		TESTING MATERIALS AND WORKMANSHIP				
81.02		Other special tests requested by the engineer	Prov sum	1	200 000,00	200 000,00
		(b) Handling cost and profit on respect of sub item 81,02 above	%	200000,00		
Total Carried Forward To Summary						

SECTION B - REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET

Section	Description				Amount R
SUMMARY OF SECTIONS					
1500	ACCOMODATION OF TRAFFIC				Included
1800	DAYWORKS				
2100	DRAINS				
2200	PREFABRICATED CULVERTS				
2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS				Included
3200	SELECTION, STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING PAVEMENT LAYERS, AND PLACING AND COMPACTING THE GRAVEL LAYERS				
3300	MASS EARTHWORKS				Included
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
3500	STABILIZATION				
3800	BREAKING UP EXISTING PAVEMENT LAYERS				
3900	PATCHING AND REPAIRING EDGE BREAKS				
4100	PRIME COAT				
4200	ASPHALT BASE AND SURFACING				
5600	ROAD SIGNS				Included
5700	ROAD MARKINGS				Included
5700/1	TRAFFIC SIGNALS				
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
7300	CONCRETE BLOCK PAVING (SEGMENTAL)				Included
8100	TESTING MATERIALS AND WORKMANSHIP				
	SUBTOTAL				
TOTAL CARRIED OVER TO SECTION G					

SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1700						
1700		CLEARING AND GRUBBING				
B17.07		Take up / demolish and remove from site, including carting away to designated spoil site				
		d) Milling out existing bituminous material with a maximum thickness exceeding 60mm	m ²	3 663		
Total						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2100						
21.00		DRAINS				
21.03		Excavation for subsoil drainage systems:				
		"(a) Excavating soft material situated within the				
		(i) 0 m up to 1,5 m	m ³	148		
		(ii) 1.5 m up to 3,0 m	m ³	106		
		"(b) Extra over subitem 21.03(a) for excavation in hard	m ³	51		
21.04		Impermeable backfilling to subsoil drainage systems				
		a) Selected fill material from excavations in pipe tenche	m ³	69		
21.06		Natural permeable material in subsoil drainage systems (crushed stone)				
		(b) Crushed stone obtained from commercial sources (19mm average diameter)	m ³	116		
21.07		Natural permeable material in subsoil drainage				
		(b) Sand from commercial sources (G7 material)	m ³	69		
21.08		Pipes in subsoil drainage systems				
		(c) Perforated Class 25 160mm diameter high density type poly-ethylene pressure (HDPE) pipes and fittings, complete with couplings, end caps, etc., complete	m	200		
21.09		Polyethylene sheeting, 0.15mm thick, or similar approved material, for lining subsoil drainage systems	m ²	760		
21.1		Synthetic-fibre filter fabric				
		a) Geofabric filter blanket wrapped around stone encasing with 150mm side and 300mm end laps including stitching.	m ²	760		
21.17		Test flushing of pipe subsoil drains	No	5		
21.18		Excavation for the clearing of existing drainage				
		(a) Manholes and inlet and outlet structures	m ³	10		
Total						

JDA C/N001
SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2200						
2200		PREFABRICATED CULVERTS				
22.01		Excavation:				
	LI	(a) Excavating soft material situated within the following depth ranges below the surface:				
	LI	(i) 0 m up to 1,5 m	m ³	39		
	LI	(ii) Exceeding 1,5 m and up to 3,0 m	m ³	42		
		(b) Extra over subitem 22.01(a) for excavation in hard	m ³	16		
22.02	LI	Backfilling:				
	LI	(a) Using the excavated material	m ³	28		
		(b) Using imported selected G5 material	m ³	53		
		(c) Extra over subitems 22.02(a) and (b) for soil				
		(i) with 3% Cement	m ³	41		
22.03		Concrete pipe culverts:				
		(a) On class C bedding				
		(i) 350mm Diameter Class SC 100D load concrete non-	m	26		
22.07		Cast in-situ concrete and formwork:				
		(f) Services protection slab size 1500 x 900 x 150mm	No	256		
22.12		Removing existing concrete, brickwork or masonry:				
		(a) Plain concrete	m ³	15		
		(b) Reinforced concrete	m ³	15		
Total						

SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3300				
33.00		MASS EARTHWORKS				
33.01		Note: All materials to include for free haul from source or to disposal site, to be located by the contractor, irrespective of the distance				
		Cut and borrow to fill, including unlimited free-haul:				
		(a) Material in compacted layer thickness of 200 mm and less:				
33.04		(ii) Compacted to 93% of Maximun Dry Density	m ³	249		
		Cut to spoil including unlimited free haul. Material				
		(a) Soft excavation (roadworks)	m ³	2 246		
		(a) Soft excavation (pavements)	m ³	125		
		(b) Intermediate excavation	m ³	225		
33.07		(c) Hard excavation	m ³	113		
		Removal of unsuitable material (including unlimited				
		(a) In layer thicknesses exceeding 200 mm				
		(i) Stable material	m ³	225		
		(c) Extra over for intermediate material	m ³	23		
33.08		(d) Extra over for hard material	m ³	11		
		Widening of cuts (extra over items 33.01,33.02 and 33.04):				
		(c) in all other materials	m ³	225		
33.10		Roadbed preparation and the compaction of material:				
		(a) Compaction to 90% of Mod AASHTO Maximum Density (roadworks)	m ³	450		
		(a) Compaction to 90% of Mod AASHTO Maximum Density (pavements)	m ³	125		
33.13		Finishing-off cut and fill slopes, medians and				
		(a) Cut slopes	m ²	45		
		(b) Fill slopes	m ²	45		
		(c) Medians and interchange areas	m ²	360		
33.14		Extra over item 33.01 for excavating material from the				
		(a) Non-cemented material	m ³	125		
		(b) Cemented material	m ³	125		
Total Carried Forward To Summary						

JDA C/N001
SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3300				
33.00		MASS EARTHWORKS				
33.15		Extra over item 33.14 for excavating in pavements and fills of existing roads in restricted areas in:				
		(a) Non-cemented material	m ³	125		
		(b) Cemented material	m ³	125		
33.18		Extra over items 33.10, 33.11 and 33.12 for preparing and / or treating the roadbed and compacting material in restricted areas:				
		(a) Item 33.10 for roadbed preparation and the compaction of material (roadworks)	m ³	450		
		(a) Item 33.10 for roadbed preparation and the compaction of material (pavements)	m ³	125		
Total Carried Forward To Summary						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 3400						
34.00		PAVEMENT LAYERS OF GRAVEL MATERIAL				
34.01		Pavement layers constructed from gravel taken from cut or borrow, including unlimited free-haul:				
		(a) Gravel selected layer compacted to:				
		(i) 93% of Mod AASHTO Density, using G7 material	m ³	450		
		(i) 93% of Mod AASHTO Density, using G7 material	m ³	125		
		(d) Gravel subbase (chemically stabilized material)				
		(iii) 96% of Mod AASHTO Density, using non-cemented G5 material 200 mm thick	m ³	968		
		(g) Gravel shoulders wearing course Type 1				
		(ii) 95% of Mod AASHTO Density 150 mm thick	m ³	113		
B34.14		Extra over item 34.01 for supply of gravel material				
		(a) Gravel selected layer, G7 quality material	m ³	450		
		(a) Gravel selected layer, G7 quality material	m ³	125		
		(b) Gravel subbase, G5 quality material	m ³	968		
		(c) Gravel wearing course, Type 1	m ³	113		
Total Carried Forward To Summary						

SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
35.00		SECTION 3500				
		STABILIZATION				
35.01		Chemical stabilization extra over unstabilized				
		(a) Subbase layers of				
		(i) 200 mm thickness	m ³	968		
35.02		Chemical stabilizing agent:				
		(a) Ordinary Portland Cement	t	68		
35.04		Provision and application of water for curing	kℓ	97		
35.05		Curing by covering with subsequent layer (immediate placement on instruction of the Engineer)	m ²	3 000		
35.13		Extra over items 35.01 and 35.07 for trial sections	m ³	97		
Total Carried Forward To Summary						

SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 4100						
41.00		PRIME COAT				
41.01		Prime coat:				
		(f) Bitumen emulsion bases prime	litre	4 285		
41.02		Aggregate for blinding:				
		(i) BTB base compacted to 93% of Mod. RICE, 80 mm thick	m ²	1 163		
		(ii) EME base compacted to 94% of Mod. RICE, 90	m ²	1 838		
41.03		Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment	litre	428		
Total Carried Forward To Summary						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 4200				
42.00	LI	ASPHALT BASE AND SURFACING				
42.02		Asphalt Surfacing:				
		(a) Continuously graded,				
		Apply 40mm (average) thick continuously graded asphalt surfacing using AP-1 (50/70 penetration grade) bitumen, including approved binder	m ²	3 000		
42.04		Tack coat of 30% stable-grade emulsion	litre	4 285		
42.05		Binder variations				
		(a) 50/70 Penetration Grade Bitumens	t	14		
42.08		100 mm cores in asphalt paving	No	4		
42.15		Application of prime coat and/or tack coat to the edges	litre	215		
B42.21		Aggregate variations	t	14		
B42.22		Intersection of old with new, including tying in of all	m	135		
Total Carried Forward To Summary						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5600				
56.00		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:				
		(c) Prepainted galvanized steel plate (chromadek 1,6mm thick or approved equivalent):				
		(i) Area not exceeding 2 m ²	m ²	49		
		(ii) Area exceeding 2 m ² but not 10 m ²	m ²	25		
56.02		Extra over item 56.01 for using:				
		(a) Background of retro-reflective material of:				
		(i) Class I (Engineering grade)	m ²	20		
		(iii) Class III (High-intensity grade)	m ²	54		
		(b) Lettering, symbols, numbers, arrows, emblems and				
		(ii) Class III	m ²	74		
56.03		Road sign supports (overhead road sign structures excluded):				
		(a) Steel tubing				
		(i) 76mm Diameter x 5mm wall thickness galvanized	t	2		
56.05		Excavation and backfilling for road sign supports (not	m ³	16		
56.06		Extra over item 56.05 for cement-treated soil backfill	m ³	16		
56.08		Dismantling, storing and re-erecting road signs with a				
		(a) Up to 2 m ²	No	20		
		(b) Exceeding 2 m ² but not exceeding 10 m ²	No	5		
56.09		Dismantling and storing road signs with a surface area				
		(a) Up to 2 m ²	No	20		
		(b) Exceeding 2 m ² but not exceeding 10 m ²	No	5		
Total						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5700				
57.00		ROAD MARKINGS				
57.02		Retro-reflective road-marking paint:				
		(d) White lettering and symbols	m ²	20		
		(e) Yellow lettering and symbols	m ²	20		
		(f) Transverse lines, painted island and arrestor bed markings (any color)	m ²	30		
57.04		Variations in rate of application:				
		(a) White paint	ℓ	10		
Total						

JDA C/N001
SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5800				
5800		LANDSCAPING AND PLANTING PLANTS				
58.09		(a) Providing the trees and shrubs				
		(i) Celtis Africana 4.55m high	No	10		
		(ii) Abelia postrata (4l container)	No	20		
		(iii) Agapanthus spp Blue (2l container)	No	20		
		(iv) Bauhinia galpinii (4l container)	No	20		
		(v) Plumbago auriculata (0,5l container)	No	20		
		(b) Planting and establishing:				
		(i) Trees	No	10		
		(ii) Shrubs	No	80		
B58.13		Compost, lime and fertilizer:				
		(a) Compost in plant beds, holes for trees, shrubs, etc	m ³	21		
B58.14		Benches, tables, etc.				
		Garden furniture with grey exposed aggregate finish to precast concrete components, including excavation, unreinforced concrete footings where applicable, backfilling and compacting, etc., complete				
		3 Seater bench	No	2		
		17 Litre (155kg) waste bin size 490mm diameter x 760mm high	No	4		
B58.15		Tree boxes				
		Tree boxes with grey exposed aggregate finish to				
		1000 x 1000 x 1000mm Tree box	No	10		
Total						

JDA C/N001
SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
59.00		SECTION 5900 FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS Finishing the road and road reserve: (b) Single carriageway road	km	1		
Total Carried Forward To Summary						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 7300				
73.00		CONCRETE BLOCK PAVING (SEGMENTAL)				
73.01		Concrete block paving:				
		(a) Supply and install the following paving, laid to falls				
		(i) 80mm Thick red interlocking paving	m ²	39		
		(ii) 80mm Thick grey interlocking paving	m ²	486		
		(iii) 400 x 400 x 60mm Thick grey directional paving	m ²	11		
		(iv) 35mm thick Stone black flagstone paving	m ²	17		
		(b) Cutting units to fit edge restraints:				
		(i) Straight cutting of paving and remove to waste.	m	178		
		(ii) Raking cutting of paving and remove to waste.	m	56		
		(iii) Circular cutting of paving and remove to waste.	m	100		
73.03		Provision of approved herbicide and ant poison:				
		Supply and lay approved weedkiller in strict	m ²	553,00		
Total						

SECTION C - ADDITIONAL SCOPE - GANDHI STATION - ALBERTINA SISULU

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 8100				
81.00		TESTING MATERIALS AND WORKMANSHIP				
81.02		Other special tests requested by the Engineer:				
		(a) Cost of testing	P C Sum	1	15000	15 000,00
		(b) Handling costs and profit in respect of subitem 81.02(a)	%	15000,00		
81.03		Providing testing equipment:				
		(a) Rolling straight-edge	No	8		
		(b) Core drill	No	8		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 1700						
1700		CLEARING AND GRUBBING				
B17.07		Take up / demolish and remove from site, including carting away to designated spoil site				
		d) Milling out existing bituminous material with a maximum thickness exceeding 60mm	m ²	6 288,00		
Total						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2100						
21.00		DRAINS				
21.03		Excavation for subsoil drainage systems:				
		"(a) Excavating soft material situated within the				
		(i) 0 m up to 1,5 m	m ³	104		
		(ii) 1.5 m up to 3,0 m	m ³	74		
		"(b) Extra over subitem 21.03(a) for excavation in hard	m ³	36		
21.04		Impermeable backfilling to subsoil drainage systems				
		a) Selected fill material from excavations in pipe tenche	m ³	49		
21.06		Natural permeable material in subsoil drainage systems (crushed stone)				
		(b) Crushed stone obtained from commercial sources (19mm average diameter)	m ³	81		
21.07		Natural permeable material in subsoil drainage				
		(b) Sand from commercial sources	m ³	49		
21.08		Pipes in subsoil drainage systems				
		(c) Perforated Class 25 160mm diameter high density type poly-ethylene pressure (HDPE) pipes and fittings, complete with couplings, end caps, etc., complete	m	140		
21.09		Polyethylene sheeting, 0.15mm thick, or similar approved material, for lining subsoil drainage systems	m ²	532		
21.1		Synthetic-fibre filter fabric				
		a) Geofabric filter blanket wrapped around stone encasing with 150mm side and 300mm end laps including stitching.	m ²	532		
21.17		Test flushing of pipe subsoil drains	No	4		
21.18		Excavation for the clearing of existing drainage				
		(a) Manholes and inlet and outlet structures	m ³	8		
Total						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 2200						
2200		PREFABRICATED CULVERTS				
22.01		Excavation:				
	LI	(a) Excavating soft material situated within the following depth ranges below the surface:				
	LI	(i) 0 m up to 1,5 m	m ³	39		
	LI	(ii) Exceeding 1,5 m and up to 3,0 m	m ³	42		
		(b) Extra over subitem 22.01(a) for excavation in hard	m ³	16		
22.02	LI	Backfilling:				
	LI	(a) Using the excavated material	m ³	28		
		(b) Using imported selected G5 material	m ³	53		
		(c) Extra over subitems 22.02(a) and (b) for soil				
		(i) with 3% Cement	m ³	41		
22.03		Concrete pipe culverts:				
		(a) On class C bedding				
		(i) 350mm Diameter Class SC 100D load concrete non-	m	26		
22.07		Cast in-situ concrete and formwork:				
		(f) Services protection slab size 1500 x 900 x 150mm	No	256		
22.12		Removing existing concrete, brickwork or masonry:				
		(a) Plain concrete	m ³	12		
		(b) Reinforced concrete	m ³	12		
Total						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3300				
33.00		MASS EARTHWORKS				
33.01		Note: All materials to include for free haul from source or to disposal site, to be located by the contractor, irrespective of the distance				
		Cut and borrow to fill, including unlimited free-haul:				
		(a) Material in compacted layer thickness of 200 mm and less:				
33.04		(ii) Compacted to 93% of Maximun Dry Density	m ³	300		
		Cut to spoil including unlimited free haul. Material				
		(a) Soft excavation (roadworks)	m ³	2 204		
		(a) Soft excavation (pavements)	m ³	150		
		(b) Intermediate excavation	m ³	221		
33.07		(c) Hard excavation	m ³	110		
		Removal of unsuitable material (including unlimited				
		(a) In layer thicknesses exceeding 200 mm				
		(i) Stable material	m ³	221		
		(c) Extra over for intermediate material	m ³	22		
33.08		(d) Extra over for hard material	m ³	11		
		Widening of cuts (extra over items 33.01,33.02 and 33.04):				
		(c) in all other materials	m ³	221		
33.10		Roadbed preparation and the compaction of material:				
		(a) Compaction to 90% of Mod AASHTO Maximum Density (roadworks)	m ³	442		
		(a) Compaction to 90% of Mod AASHTO Maximum Density (pavements)	m ³	150		
33.13		Finishing-off cut and fill slopes, medians and				
		(a) Cut slopes	m ²	44		
		(b) Fill slopes	m ²	44		
		(c) Medians and interchange areas	m ²	352		
33.14		Extra over item 33.01 for excavating material from the				
		(a) Non-cemented material	m ³	150		
		(b) Cemented material	m ³	150		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 3300				
33.00		MASS EARTHWORKS				
33.15		Extra over item 33.14 for excavating in pavements and fills of existing roads in restricted areas in:				
		(a) Non-cemented material	m ³	150		
		(b) Cemented material	m ³	150		
33.18		Extra over items 33.10, 33.11 and 33.12 for preparing and / or treating the roadbed and compacting material in restricted areas:				
		(a) Item 33.10 for roadbed preparation and the compaction of material (roadworks)	m ³	442		
		(a) Item 33.10 for roadbed preparation and the compaction of material (pavements)	m ³	150		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 3400						
34.00		PAVEMENT LAYERS OF GRAVEL MATERIAL				
34.01		Pavement layers constructed from gravel taken from cut or borrow, including unlimited free-haul:				
		(a) Gravel selected layer compacted to:				
		(i) 93% of Mod AASHTO Density, using G7 material	m ³	442		
		(i) 93% of Mod AASHTO Density, using G7 material	m ³	150		
		(d) Gravel subbase (chemically stabilized material)				
		(iii) 96% of Mod AASHTO Density, using non-	m ³	950		
		(g) Gravel shoulders wearing course Type 1				
		(ii) 95% of Mod AASHTO Density 150 mm thick	m ³	110		
B34.14		Extra over item 34.01 for supply of gravel material				
		(a) Gravel selected layer, G7 quality material	m ³	442		
		(a) Gravel selected layer, G7 quality material	m ³	150		
		(b) Gravel subbase, G5 quality material	m ³	950		
		(c) Gravel wearing course, Type 1	m ³	110		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
35.00		SECTION 3500				
35.01		STABILIZATION				
		Chemical stabilization extra over unstabilized				
		(a) Subbase layers of				
		(i) 200 mm thickness	m ³	950		
35.02		Chemical stabilizing agent:				
		(a) Ordinary Portland Cement	t	67		
35.04		Provision and application of water for curing	kℓ	95		
35.05		Curing by covering with subsequent layer (immediate placement on instruction of the Engineer)	m ²	2 944		
35.13		Extra over items 35.01 and 35.07 for trial sections	m ³	95		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION 4100						
41.00		PATCHING AND REPAIRING EDGE BREAKS				
41.01		Prime coat:				
		(f) Bitumen emulsion bases prime	litre	4 206		
41.02		Aggregate for blinding:				
		(i) BTB base compacted to 93% of Mod. RICE, 80 mm thick	m ²	1 141		
		(ii) EME base compacted to 94% of Mod. RICE, 90 mm thick	m ²	1 803		
41.03		Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment	litre	421		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 4200				
42.00	LI	ASPHALT BASE AND SURFACING				
42.02		Asphalt Surfacing:				
		(a) Continuously graded,				
42.04		(a) Continuously graded,				
42.05		Apply 40mm (average) thick continuously graded	m ²	2 944		
		Tack coat of 30% stable-grade emulsion	litre	4 206		
42.06		Binder variations				
		(a) 50/70 Penetration Grade Bitumens	t	14		
		Variations in active filler content:				
		(a) Cement	t	4		
		(b) Lime	t	4		
42.08		(c) Milled granulated blast-furnce slag	t	4		
42.15		(d) Fly-ash	t	4		
B42.21		100 mm cores in asphalt paving	No	4		
B42.22		Application of prime coat and/or tack coat to the edges of the layers	litre	210		
		Aggregate variations	t	14		
		Intersection of old with new, including tying in of all layerworks and finishing flush top surface of asphalt	m	144		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5600				
56.00		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:				
		(c) Prepainted galvanized steel plate (chromadek 1,6mm thick or approved equivalent):				
		(i) Area not exceeding 2 m ²	m ²	37		
		(ii) Area exceeding 2 m ² but not 10 m ²	m ²	19		
56.02		Extra over item 56.01 for using:				
		(a) Background of retro-reflective material of:				
		(i) Class I (Engineering grade)	m ²	17		
		(iii) Class III (High-intensity grade)	m ²	39		
		(b) Lettering, symbols, numbers, arrows, emblems and				
		(ii) Class III	m ²	56		
56.03		Road sign supports (overhead road sign structures excluded):				
		(a) Steel tubing				
		(i) 76mm Diameter x 5mm wall thickness galvanized	t	2		
56.05		Excavation and backfilling for road sign supports (not	m ³	12		
56.06		Extra over item 56.05 for cement-treated soil backfill	m ³	12		
56.08		Dismantling, storing and re-erecting road signs with a				
		(a) Up to 2 m ²	No	17		
		(b) Exceeding 2 m ² but not exceeding 10 m ²	No	4		
56.09		Dismantling and storing road signs with a surface area				
		(a) Up to 2 m ²	No	17		
		(b) Exceeding 2 m ² but not exceeding 10 m ²	No	4		
Total						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 5700				
57.00		ROAD MARKINGS				
57.02		Retro-reflective road-marking paint:				
		(d) White lettering and symbols	m ²	20		
		(e) Yellow lettering and symbols	m ²	20		
		(f) Transverse lines, painted island and arrestor bed markings (any color)	m ²	30		
57.04		Variations in rate of application:				
		(a) White paint	ℓ	10		
Total						

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
5800		SECTION 5800				
		LANDSCAPING AND PLANTING PLANTS				
58.09		(a) Providing the trees and shrubs				
		(i) Celtis Africana 4.55m high	No	8		
		(ii) Abelia postrata (4l container)	No	16		
		(iii) Agapanthus spp Blue (2l container)	No	16		
		(iv) Bauhinia galpinii (4l container)	No	16		
		(v) Plumbago auriculata (0,5l container)	No	16		
		(b) Planting and establishing:				
		(i) Trees	No	8		
		(ii) Shrubs	No	64		
B58.13		Compost, lime and fertilizer:				
		(a) Compost in plant beds, holes for trees,	m ³	17		
B58.14		Benches, tables, etc.				
		Garden furniture with grey exposed aggregate finish to precast concrete components, including excavation, unreinforced concrete footings where applicable, backfilling and compacting, etc., complete				
		3 Seater bench	No	2		
		17 Litre (155kg) waste bin size 490mm diameter x 760mm high	No	4		
B58.15		Tree boxes				
		Tree boxes with grey exposed aggregate finish				
		1000 x 1000 x 1000mm Tree box	No	8		
Total						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
59.00		SECTION 5900 FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
		Finishing the road and road reserve:				
		(b) Single carriageway road	km	0,51		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 7300				
73.00		CONCRETE BLOCK PAVING (SEGMENTAL)				
73.01		Concrete block paving:				
		(a) Supply and install the following paving, laid to				
		(i) 80mm Thick red interlocking paving	m ²	49		
		(ii) 80mm Thick grey interlocking paving	m ²	562		
		(iii) 400 x 400 x 60mm Thick grey directional paving	m ²	14		
		(iv) 35mm thick Stone black flagstone paving	m ²	21		
		(b) Cutting units to fit edge restraints:				
		(i) Straight cutting of paving and remove to waste.	m	140		
		(ii) Raking cutting of paving and remove to waste.	m	70		
		(iii) Circular cutting of paving and remove to waste.	m	126		
73.03		Provision of approved herbicide and ant poison:				
		Supply and lay approved weedkiller in strict	m ²	697,01		
Total						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Number	LIC	Item Description	Unit	Quantity	Rate	Amount R
		SECTION 8100				
81.00		TESTING MATERIALS AND WORKMANSHIP				
81.02		Other special tests requested by the Engineer:				
		(a) Cost of testing	P C Sum	1	20 000,00	20 000,00
		(b) Handling costs and profit in respect of subitem 81.02(a)	%	20000,00		
81.03		Providing testing equipment:				
		(a) Rolling straight-edge	No	8		
		(b) Core drill	No	8		
Total Carried Forward To Summary						

SECTION D - ADDITIONAL SCOPE - GANDHI STATION - COMMISSIONER STREET

Section	Description				Amount R
SUMMARY OF SECTIONS					
1700	CLEARING AND GRUBBING				Included
2100	DRAINS				Included
2200	PREFABRICATED CULVERTS				Included
3300	MASS EARTHWORKS				
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
3500	STABILIZATION				
4100	PRIME COAT				
4200	ASPHALT BASE AND SURFACING				
5600	ROAD SIGNS				Included
5700	ROAD MARKINGS				Included
5800	LANDSCAPING AND PLANTING PLANTS				Included
5900	FINISHING THE ROAD AND ROAD RESERVE AND				
7300	CONCRETE BLOCK PAVING FOR ROADS				Included
8100	TESTING MATERIALS AND WORKMANSHIP				
	SUBTOTAL				
TOTAL CARRIED OVER TO SECTION G					

SECTION E - ELECTRICAL WORKS - GANDHI STATION - ALBERTINA SISULU

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION E1200						
E1200		GENERAL REQUIREMENTS AND PROVISIONS				
E12.01		Internal and External Electrical Works at Rivonia	Prov sum	1	2 500 000,00	2 500 000,00
		(a) Handling cost and profit in respect of sub item	%	2500000		
Total Carried Forward						

Section	Description				Amount R
E1200	SUMMARY OF SECTIONS GENERAL REQUIREMENTS AND PROVISIONS				
		SUBTOTAL			
		TOTAL CARRIED OVER TO SECTION G			

SECTION E - ELECTRICAL WORKS - GANDHI STATION - COMMISSIONER STREET

Section	LIC	Item Description	Unit	Quantity	Rate	Amount R
SECTION E1200						
E1200		GENERAL REQUIREMENTS AND PROVISIONS				
E12.01		Internal and External Electrical Works at Rivonia	Prov sum	1	2 500 000,00	2 500 000,00
		(a) Handling cost and profit in respect of sub item	%	2500000		
Total Carried Forward						

JDA C/N001

SECTION E - ELECTRICAL WORKS - GANDHI STATION - COMMISSIONER STREET

Section	Description				Amount R
E1200	SUMMARY OF SECTIONS GENERAL REQUIREMENTS AND PROVISIONS				
		SUBTOTAL			
		TOTAL CARRIED OVER TO SECTION G			

JDA C/N001
SECTION E - SUMMARY OF WORKS

Section	Description				Amount R
SUMMARY OF SECTIONS					
Section A	GENERAL REQUIREMENTS AND PROVISIONS				
Section B	REHABILITATION OF ROAD PAVEMENTS AT EDITH CAVELL STREET				
Section C	ADDITIONAL SCOPE - GANDHI STATION (ALBERTINA SISULU ROAD)				
Section D	ADDITIONAL SCOPE - GANDHI STATION (COMMISSIONER ST)				
Section E	ELECTRICAL WORKS - GANDHI STATION (ALBERTINA SISULU ROAD)				
Section F	ELECTRICAL WORKS - GANDHI STATION (COMMISSIONER ST)				
SUBTOTAL					
Add 15% VAT					
TOTAL CARRIED OVER TO C1.1 FORM OF OFFER AND ACCEPTANCE					