



DR JS MOROKA LOCAL MUNICIPALITY

CONSTRUCTION OF MAKOPANONG BUS AND TAXI ROUTE PHASE 2	
PREPARED BY:	
	
PEROZZ CONSULTING ENGINEERS 14 Lost Trail street MBOMBELA 1200 Tel: +27 10 634 1462 Email: perozconsultant@gmail.com	
PREPARED FOR:	
 EXPANDED PUBLIC WORKS PROGRAMME Creating opportunities towards human fulfillment	
THE MUNICIPAL MANAGER DR J.S. MOROKA LOCAL MUNICIPALITY P/Bag X 4012 SIYABUSWA 0472 Tel: (013) 973 9126/7/8/9 Fax: (013) 973 9132/3	

ADDENDUM NO. 1

PROJECT NUMBER: JSMR03/24-25/W02

APPROVED & SIGNED BY:

(DR J.S MOROKA LOCAL MUNICIPALITY)

BIDDER:

DR. JSMLM:

Initial: Authorized signatory/ies: 1.

Initial: DR. JSMLM

2

Witness:



DR JS MOROKA LOCAL MUNICIPALITY
CONTRACT NUMBER: BID NO: JSM/R03/24-25W02
CONSTRUCTION OF MAKOPANONG BUS AND TAXI

FORM: ACKNOWLEDGEMENT OF ADDENDUM NO.1

DATE ISSUED

06/07/2024

PART 1A: AMMENDMENTS TO THE TENDER DOCUMENT

Receipt of Addendum No. 1 is hereby acknowledged. Please acknowledge all files received by ticking the BID DAT appropriate box.

Tick ()	Type of Document	Document Name
	(pdf)	PART 2 : BID DATA - CIBB GRADING PART C.1.2 : CONTRACT DATA PART C2 : PRICING DATA- BOQ PART C3 : SCOPE OF WORK

COMPANY	NAME	SIGNATURE	DATE	NOTE
				skosanaz@moroka.gov.za masilelae@moroka.gov.za masilelaa@moroka.gov.za perozzconsultant@gmail.com

BIDDER:

DR. JSMLM:

Initial: Authorized signatory/ies: 1.

Initial: DR. JSMLM

Witness:

2



PART 1a : AMMENDMENTS TO TENDER DOCUMENT

1. GENERAL NOTE TO TENDERS

Amendments to the tender document, which is in PDF form, cannot be made electronically by any tender and shall be changed manually before submission of the tender proposals. Where amendments have been made to the pricing schedule, (MS Excel), a completely new excel spreadsheet has been provided.

2. AMMENDMENTS TO TENDER DOCUMENTS

2.1 T.2.1 - CHANGE OF CIDB GRADING

"CIDB Grading 4CEPE/5CE is revised to 6CEPE/7CE"

2.2 C.1.2 - CHANGE OF PROJECT DURATION

"Time for reaching practical completion is revised from 6 months to 12 months"

2.3 C.2 - CHANGE OF THE WHOLE BOQ

"The whole BOQ in the tender document is superseded by the one attached to this addendum"

2.4 C.3 - CHANGE OF ROAD LENGTH

"The length of the road is revised from 1.0km to 2,9km"

BIDDER:

DR. JSMLM:

Initial: Authorized signatory/ies: 1.

Initial: DR. JSMLM:

2

Witness:

SECTION 1200: GENERAL REQUIREMENTS AND PROVISIONS		MAKOPANONG BUS AND TAXI ROUTE PHASE 2			
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDER AMOUNT
12,01	Training: a)CETA accredited training b)Handling cost and profit in respect of (a) above	Prov Sum	1		60 000,00
12,02	Excavation Excavating material within the following depth ranges below ground level for the exposing or searching of existing services: Depth between 0.0 m and 2.0 m:				
(a)	Soft material.	m ³	50,00		
(a)(iii)	Intermediate material.	m ³	20,00		
(b)	Extra-over item B12.01(a) for excavation by means of hand tools such as picks, crowbars and pneumatic tools or mechanical breakers in close vicinity of				
(b)(i)	Soft material.	m ³	10,00		
(b)(iii)	Intermediate material.	m ³	5,00		
12,03	Backfilling exposed services using: Excavated materials. Imported materials.	m ³	50,00		
(b)		m ³	10,00		
12,04	Relocation and protection of existing servicesand household fences	Prov Sum	1,00		350 000,00
(a)					
(b)	Handling cost and profit on subitem 12.04(a) above)	%	350 000,00		
12,05	OHS,ENVIRONMENTAL, RISK MANAGEMNET AND QUALITY MANAGEMENT PLAN Contractor's initial obligations in respect of Occupational Health and Safety Act and construction Regulations Contractor's time related obligations in respect of Occupational Health and Safety Act and construction Regulations Submission of the Health and Safety File Provision for Personal Protective Clothing to be provided for local labour Provisional Sum for OHS Consultant for the duration of the project. Provisional Sum for Environmental Control Officer for the duration of the project. Provisional Sum for Environmental Control Officer for the duration of the project. Provisional Sum for Environmental Control Officer for the duration of the project. Provisional Sum for Environmental Control Officer for the duration of the project. Provisional Sum for Environmental Control Officer for the duration of the project.	PC Sum	1,00		200 000,00
(d)		Month	12		
(e)		Lump sum	1		
(f)		Lump sum	1		
(g)		Prov sum	1,00		100 000,00
(h)		Prov sum	1,00		300 000,00
(i)		Prov sum	1,00		240 000,00
12,07	Community Liason officer	Months	12,00		
12,08	Cost of Land Expropriation	Prov Sum	1,00		R100 000,00
12,09	Water Extraction	Prov Sum	1,00		R120 000,00
TOTAL SECTION 1200 CARRIED TO SUMMARY:					

	MAKOPANONG BUS AND TAXI ROUTE PHASE 2
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SCHEDULE : R	SECTION 1300
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B13.01	Contractor's general obligations:				
(a)	Fixed charge contractual requirements. Sum shall not exceed 6.00% of the total project cost.	P.C Sum	1,00	1 000 000,00	1 000 000,00
(b)	Time related contractual requirements. Sum shall not exceed 6.00% of the total project cost.	P.C Sum	1,00	1 800 000,00	1 800 000,00
(c)	Supply and erect a project name bord as per the Engineer's specification	No.	1,00		
TOTAL SECTION 1300 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 1400

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
(a)	Items measured by number				
14,01	Office and laboratory accommodation: The provision of accommodation as specified, including roof, external and internal walls, windows complete with glazing doors with locks and fittings, burglar proofing, painting floors, fencing, the provision of 220/250 volt electrical installations and stores, complete, in accordance with the drawings and Specifications, except for items scheduled elsewhere: Offices (interior floor space only) Abkution units Car Port Airconditioning	m2 m2 m2 m2 No	6 4 12 2		
14,02	Office and Laboratory Furniture: chairs Conference Table	No No	8 1		
14,03	Office Equipment and Accomodation for the Engineers Prime cost items and items paid for in lump sums The provision of a direct independent telephone line (Telcom or cellular) for the engineer's office, including the cost of contract and calls in connection with contract administration Handling costs and profit in respect of subsubitem 14b(i)	PC sum %	1 35 000	35 000,00	35 000,00
14,07	Rented, hotel and other accommodation Provision for providing rented housing, hotel or other other accomodat Handling costs in respect of sub-item 14.07 (a)	PC sum %	1 120 000,00	120000,00	120 000,00
TOTAL SECTION 1400 CARRIED TO FORWARD					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2					
SECTION 1500: ACCOMMODATION OF TRAFFIC					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15,01	Accommodating traffic and maintaining temporary deviations.	km	2,9		
15,03	Temporary traffic-control facilities: [The cost for the replacement of damaged or stolen signs or facilities shall be included in the rates under Item B15.03.] Flagmen. Portable STOP and GO-RY signs. (d) Amber flicker lights. (e) Road signs, R- and TR-series (1200 mm). (f) Road signs, TW-series. (1500 mm) (g) Road signs, STW-, DTG-, TGS- AND TG-series. (excluding delineators and barricades) (h) Delineators (200 mm x 800 mm): (h)(ii) Delineators mounted back to back. (i) Movable barricade/road sign combination with an effective width of 6 meters. (j) Traffic cones - 750 mm. (k) Provision of high visibility safety jackets and safety hats.	man-day 	200,00	6,00 6,00 6,00 6,00 6,00 6,00 6,00 6,00 6,00 6,00 6,00	
15,05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations: Existing gravel shoulders. [The rate shall include full compensation for all work required to construct, re-gravel and repair the existing shoulder to be used as a temporary deviation.]	m³	90,00		
15,06	Watering of temporary deviations.	Kl	2 000,00		
SUB-TOTAL SECTION 1500 CARRIED FORWARD:					

[illegible][illegible]

MAKOPANONG BUS AND TAXI ROUTE PHASE 2					
SECTION 1500: ACCOMMODATION OF TRAFFIC					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SUB-TOTAL SECTION 1500 BROUGHT FORWARD:					
15,07	Blading by road grader of: Existing gravel shoulders used as temporary deviations.	km-pass	200,00		
15,10	Accommodation of traffic where the road is constructed deviated to alternative route.	km	4,00		
15/16,02	Overhaul on material hauled in excess of 2.0 km - ordinary overhaul. Gravel material as per Item 15.05.	m ³ -km	600,00		
TOTAL SECTION 1500 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 1700: CLEARING AND GRUBBING

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B17.01	Clearing and grubbing:				
(a)	Normal areas:				
(a)(i)	Within the road reserve.	ha	4,20		
(a)(ii)	In borrow pits.	ha	0,10		
(b)	Existing fill embankments with slopes steeper than 1:4.	ha	0,50		
TOTAL SECTION 1700 CARRIED TO SUMMARY:					

RADIOJOKO BUS AND TAXI ROUTE PHASE 2

SCHEDULE : ROAD CONSTRUCTION

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18,01	Labour:	h	rate only		
	Unskilled labour.	h	rate only		
	Semi-skilled labour.	h	rate only		
	Skilled labour.	h	rate only		
18,02					
18,03	Tipper trucks:	h	rate only		
	5 m ³ capacity.	h	rate only		
	10 m ³ capacity.	h	rate only		
18,04	Loader:				
	Front end loader - bucket capacity > 1.5 m ³	h	rate only		
	CAT 350 hydraulic excavator or equivalent.	h	rate only		
	TLB.	h	rate only		
18,05	Grader:	h	rate only		
	CAT 140G or similar.	h	rate only		
18,06	LDV:				
	Load capacity - 1 ton.	h	rate only		
18,07	Compaction Rollers:				
	Vibratory roller - 13.5 ton.	h	rate only		
	Tamping roller - 13.5 ton.	h	rate only		
	Grid roller.	h	rate only		
	Pneumatic roller - 10 ton.	h	rate only		
18,08	Hand controlled compactors:				
	Pedestrian roller - BW90 or similar.	h	rate only		
	Vibratory plate compactor.	h	rate only		
	Vibratory rammer.	h	rate only		
18,09	Water truck - 5,000 l.	h	rate only		
18,10	Dozer:				
	CAT D7H Dozer or equivalent.	h	rate only		
	CAT D5 or equivalent.	h	rate only		
18,11	Materials for dayworks	Prov Sum	1,00		350 000,00
TOTAL SECTION 1800 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SCHEDULE : ROAD CONSTRUCTION

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
21,01	Excavation for open drains: (a) Excavating in all material situated in the following depth range below the existing surface level: (a)(i) 0 m up to 1.5 m. (a)(ii) Exceeding 1.5 m and up to 3.0 m. (b) Extra over item 21,01(a) for excavation in hard material irrespective of depth. (c) Concrete Grade 25Mpa lining to access drifts (d) Mesh ref 247	m ³ m ³ m ³ m ³ m ²	300,00 1,00 3,00 50 300		
21,03	Excavation for subsoil drains (a) Excavating soft material situated in the following depth range below the existing surface level: (a)(i) 0 m up to 1.5 m. (a)(ii) Exceeding 1.5 m and up to 3.0 m. (a)(iii) Extra over item 21,03(a) for excavation in hard material irrespective of depth	m ³ m ³ m ³ m ³	300,00 300 120 30		
21,04	Impermeable backfilling to subsoil drainage systems	m ³	50		
21,05	Banks and dykes.	m ³	50		
21,06	Natural permeable material in subsoil drainage systems : 19mm crushed stone obtained from commercial source. Course grade: 19mm nominal size	m ³	100,00		
21,07	Natural permeable material in subsoil drainage systems : Sand	m ³	50,00		
TOTAL SECTION 2100 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2					
SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING AND CONCRETE LININGS FOR OPEN DRAINS					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2300	Please note that 73.01 and 2300 are to be carried out by local Sub-contractors as per Dr JS Moroka Local Municipality instruction Concrete kerbing: [Concrete bedding and concrete backfilling, Class 20/19.] Prefabricated mountable kerb, SABS Fig. 8C./channel combination (2300m) Contractor's charge to allow for handling and all other charges in respect of subitem 23.01(a) above	Prov Sum %	1,00	1 800 000,00	1 800 000,00
23,01					
(a)					
(b)					
TOTAL SECTION 2300 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 3100: BORROW MATERIALS

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B31.01	Excess overburden:	m ³	30.00		
(a)	Depth up to and including 0.5 m.	m ³	30.00		
(b)	Depth exceeding 0.5 m and up to 1.0 m.	m ³	30.00		
(c)	Depth exceeding 1.0 m.	m ³	30.00		
31.03	Finishing off borrow areas in:				
(b)	Intermediate material.	ha	1.00		
(c)	Soft material.	ha	1.00		
31/55.01	Clearing the fence line, 2 m wide strip.	m	30.00		
31/55.02	Supply and erect new fencing:				
(c)	Diamond mesh fence 1.8 m high complete with standards at 3 m spacing.	m	200.00		
(i)	Straining posts, stays and anchors:				
(i)(i)(1)(a)	posts complete with 50 mm dia. stays and anchors to support the fence as per item 31/55.01 (c)	No.	6.00		
(i)(i)(1)(b)	corner fence post. Founding depth shall not be 100 mm dia. Galvanised steel intermediate straining posts complete with 50 mm dia. stays and anchors to support the fence as per item 31/55.01 (c)	No.	40		
[The rate shall include all excavation, backfilling, labour, plant, materials and ancillary costs to complete the installation of a steel fence post. Founding depth shall not be less than 800 mm.]					
TOTAL SECTION 3100 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 3200: SELECTION, STOCKPILING AND BREAKING DOWN MATERIAL FROM BORROW PITS AND OTHER

TOTAL SECTION 3200 CARRIED TO SUMMARY:				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE
32,04	Removal of oversize pavement material.	m ³	10.00	
32,05	Additional normal grid rolling.	m ³	100.00	
AMOUNT				

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 3300: MASS EARTHWORKS

TOTAL SECTION 3300 CARRIED TO SUMMARY:					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
33.10	Roadbed preparation and the compaction of material: [The rate shall provide for all costs to cover restricted works for half width construction. The roadbed depth is 150 mm.] (b) Compaction to 90% of modified AASHTO density.	m ³	4 000,00		
33,04	Cut to stockpile, including free-haul up to 10km. Material obtained from: (a) Soft excavation. (b) Intermediate excavation. (c) Hard excavation.	m ³	9 000,00		
33/16.01	Overhaul on material hauled in excess of a freehaul distance of 2km, for a haul up to or through 5.0 km. [Restricted overhaul]	km ³	12 000,00		
33/16.02	Overhaul on material hauled in excess of 1.0 km freehaul.	m ³ -km	4 000,00		
33.04B	Cut to spoil, including free-haul up to 10km. Material obtained from: (a) Soft excavation (b) Hard excavation	m ³	1 500,00		
33.07B	Removal of unsuitable material (including free-haul): (a) In layer thicknesses of 200 mm and less: (i) Stable material (ii) Unstable material	m ³	90,00		
			40,00		

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 3400: PAVEMENT LAYERS OF GRAVEL MATERIAL

SUB-TOTAL SECTION 3400 CARRIED TO SUMMARY					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
34.01	Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 1.0 km: Gravel selected layer compacted to: 90% of modified AASHTO density with a compacted layer thickness of 150 mm. (a)(iii) [Selected layer construction includes all layerworks/earthworks other than sub-base and base construction. The rate shall include for benching into existing pavement structure earthworks or layer works.] (b) Gravel subbase layer, unstabilised gravel, compacted to : 93% of modified AASHTO density with a compacted layer thickness of 200 mm. (b)(i) [Gravel to be sourced from temporary stockpile and borrow pit. Rate shall include all costs for the mixing of material from two sources.] (c) Gravel base, chemically stabilized material(3% Cement), compacted to: 95% of modified AASHTO density with a compacted layer thickness of 150 mm. (c)(i) [The construction of the base shall be done using a cut and borrow. The rate shall provide for the material breaking down cycle and one stabilization mix cycle.]	m³	4 000,00	4 000,00	4 000,00

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SCHEDULE : ROAD CONSTRUCTION

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
35,01	Chemical stabilization extra over unstabilized compacted layers:	m ³	1 350,00		
(a)	Subbase.	m ³	1 350,00		
(b)	Base.	m ³	1 050,00		
35,02	Chemical stabilizing agent:	t	230,00		
(a)	Cement - Grade 42.5N, Type CEM II A-L.	t	230,00		
TOTAL SECTION 3500 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SCHEDULE : ROAD CONSTRUCTION

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
42,03	MC30 Cutback Bitumen	liter	80		
42,02	Asphalt surfacing (60/70 penetration grade bitumen): (a) Medium-grade continuously graded asphalt: (a)(i) Thickness - 60 mm.	m ²	600		
42,04	Tack coat of 30% stable-grade emulsion.	liter	80		
42,13	Placing and compacting asphalt in restricted areas: (a) Extra over item 42.02.	m ²	5		
42,14	Extra over item 42.04 for applying tack coat in restricted areas.	liter	10		
TOTAL SECTION 4200 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SCHEDULE : 5100

TOTAL SECTION 5100 CARRIED TO SUMMARY:					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
51.01	Stone pitching:				
(b)	GROUTED stone pitching.	m ²	2 900,00		
51.03	Stone masonry walls				
(b)	Cement-mortared stone walls.	m ³	30,00		
51.05	Cement-mortared stone walls.	m ³	6,00		
51.05	Provision of approved herbicide and ant poison				
(a)	Provision of materials				
(b)	Contractor's charges and profit added to the prime cost sum	%	1,00		150 000,00

MAKOPANONG BUS AND TAXI ROUTE PHASE 2
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SECTION 5600: ROAD SIGNS	
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
56.01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class I retro-reflective material, where the sign board is constructed from: (c) Painted galvanized steel plate - Chromadek 1.6mm thick or approved equivalent: (c)(i) Area not exceeding 2 m ² . (c)(ii) Area exceeding 2 m ² but not 10 m ² . (e) Aluminium sheet (2 mm thick) regulatory warning and information signs - Class II retro-reflective material: (e)(i) Octagonal - 1200 mm. (e)(ii) Triangular - 1500 mm. (e)(iii) Round - 1200 mm. (e)(iv) Rectangular - 600 mm x 150 mm.	No No No No m ²	10,00 12,00 14,00 8,00 20,00 30,00		
56.02	Extra over item 56.01(c) for using: (a) Background or retro-reflective material: (a)(i) Class I. (a)(ii) Class II. (b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material: (b)(i) Class II.	m ² m ² m ²	40,00 18,00 10,00		
56.03	Road sign supports (overhead road sign structures excluded): (a) Steel tubing galvanized: (a)(i) 50 mm dia. with 3 mm wall thickness. (a)(ii) 75 mm dia. with 3 mm wall thickness. (a)(iii) 50 mm x 50 mm square tubing with wall thickness 3 mm.	m m m	30,00 30,00 12,00		
56.05	Excavation and backfilling for road sign supports (not applicable to kilometer posts).	m ³	12,00		
56.06	Extra over item 56.05 for cement-treated soil backfill.	m ³	20,00		

TOTAL SECTION 5600 CARRIED TO SUMMARY:

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 5700: ROAD MARKINGS

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
57.02	Retro reflective road marking paint:				
(a)	White lines - broken or unbroken:				
(a)(i)	100 mm wide.	km	2,90		
(b)	Yellow lines - broken or unbroken:				
(b)(i)	100 mm wide.	km	2,90		
(d)	White lettering and symbols.	m ²	120,00		
(e)	Yellow lettering and symbols.	m ²	80,00		
57.04	Variations in rate of application:				
(a)	White paint.	litre	150,00		
(b)	Yellow paint.	litre	100,00		
(d)	Retro reflective beads	kg	100,00		
57.06	Setting out and premarking the lines (excluding traffic-island markings, lettering and symbols). [Referencing existing barrier lines and other road marking lines shall be included in the setting out rate.]	km	2,90		
TOTAL SECTION 5700 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
59.01	Finishing the road and road reserve: (b) Single carriageway road.	km	2.90		
TOTAL SECTION 5900 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SCHEDULE : ROAD CONSTRUCTION

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7300	CONCRETE BLOCK PAVING				
73.01 (a)	Please note that 73.01 and 2300 are to be carried out by local Sub-contractors as per Dr JS Moroka Local Municipality instruction	Prov Sum	1,00	7 275 272,73	7 275 272,73
(b)	Contractor's charge to allow for handling and all other charges in respect of subitem 73.01(a) above	%	7 275 272,73		
73.02	Cast insitu intermediate beams	m	120,00		
73.02	Provision of herbicide and ant poison	Sum	1,00		
TOTAL SECTION 7300 CARRIED TO SUMMARY:					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

SECTION 8100: TESTING MATERIALS AND WORKMANSHIP

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING MATERIALS AND WORKMANSHIP				
81,02	(a) Other special tests requested by the engineer	Prov.Sum	1,00	1,00	200 000,00
	(b) handling cost and profit on subitem 81.02(b) above	%	200 000,00		
TOTAL SECTION 8100 CARRIED TO SUMMARY					

MAKOPANONG BUS AND TAXI ROUTE PHASE 2

MAKOPANONG BUS AND TAXI ROUTE PHASE 2						
B1000	ENVIRONMENTAL MANAGEMENT PLAN	B1000.01	B100.02	B100.03	TOTAL CARRIED TO SUMMARY	
		Penalty for unnecessary removal or damage to trees for the following diameter sizes	(a) 2 600mm girth or less (b) Greater than 2 600mm, but less than 6 180mm girth (c) Greater than 6 180mm girth	(a) Littering on site (b) Lighting of illegal fires on site (c) Persistent or un-repaired fuel and oil leaks (d) Any person related to the contractor's operations found within the designated "no-go" areas (e) Any vehicles or equipment related to the Contractor's operations found within the designated "no-go" areas (f) Excess dust or excess noise emanating from site (g) Dumping of milled material in side drains or on grassed areas (h) Possession or use of intoxicating substances on site (i) Any vehicles being driven in excess of designated speed limits (j) Removal and/or damage to flora or cultural or heritage objects on site and/or killing of wildlife (k) Illegal hunting (l) Urination and defecation anywhere except in designated areas		
		No	No	No	No	Rate only
		No	No	No	No	Rate only
		No	No	No	No	Rate only
		No	No	No	No	Rate only
		No	No	No	No	Rate only
		No	No	No	No	Rate only
		No	No	No	No	Rate only
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CONSTRUCTION OF MAKOPANONG BUSAND TAXI ROUTE PHASE 2

CONSTRUCTION OF MAKOPANONG BUSAND TAXI ROUTE PHASE 2	
SECTION REFERENCE	AMOUNT
COTO 1200	
PRELIMINARY AND GENERAL	
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S PERSONNEL
1500	ACCOMMODATION OF TRAFFIC
1700	CLEARING AND GRUBBING
1800	DAYWORKS
2100	DRAINS
2300	CONCRETE KERBING, CONCRETE CHANNELING AND CONCRETE LININGS FOR OPEN DRAINS
3100	BORROW MATERIALS
3200	SELECTION STOCKPILING AND BREAKING DOWN MATERIAL FROM BORROW PIT
3300	MASS EARTHWORKS
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL
3500	STABILIZATION
4200	ASPHALT SURFACING
5100	PITCHING, STONWORK AND PROTECTION AGAINST EROSION
5600	ROAD SIGNS
5700	ROAD MARKINGS
5900	FINISHING THE ROAD AND ROAD RESERVE
7300	CONCRETE BLOCK PAVING
8100	TESTING MATERIALS AND WORKMANSHIP
SECTION E	SCHEDULE B: OSHA, ENVIRONMENTAL, RISK MANAGEMENT AND QUALITY MANAGEMENT PLAN.
TOTAL VALUE OF WORK:	
ADD 5% CONTINGENCIES	
SUBTOTAL 01	
ADD VAT	
TOTAL CARRIED TO FORM OF OFFER	