UMZIMVUBU LOCAL MUNICIPALITY UMZ/2022-29/INFRA/CAP/014

12.01	GENERAL REQUIREMENTS AND PROVISIONS				AMOUNT
	Community Liaison:				
	(a) Community Liaison Officer cost	Prov. Sum	1,00	27000,00	27000,00
	(c) Handling costs and charges for Contractor on items 12.01 (a) to (b)	%	27000		
12.02	Remedial Work				
	(a) Rehabilitation of borrow pits and quarry	Lump Sum	1		
	(b) Removal of site establishment	Sum			
	CARRIED FORWARD TO SUMMARY:				

13,01 CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS The contractor's general obligations: (a) Fixed obligations (b) Value-related obligations (c) Ima-related obligations (d) - Preparation of Contractor's site specific Health and Safety Plan - Principal Contractor's initial obligations in respect of the OHS Act and Contractor Regulations (d) - Principal Contractor initial obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (ii) Work Suint (5) (iii) Hard hasis(16) (iv) Protective foot wear(15) (iv) Earlylugs and Goggles (15) (iv) Learl makes (16) (iv) L	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
(a) Fixed obligations (b) Value-related obligations (c) Time-related obligations (d) Time-related obligations (e) Terparation of Contractor's site specific Health and Safety Plan (b) Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Wark Suits(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) Provision of full time Construction Health and Safety Officer for project of Induction Training (g) Provision of First Aid Boxes (h) Submission of the Health and Safety File	1300					
(b) Value-related obligations (c) Time-related obligations Occupational Health & Safety: (a) - Preparation of Contractor's site specific Health and Safety Plan (b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of (f) - Induction Training (g) - Provision of First Aid Boxes (h) - Submission of the Health and Safety File	13,01	The contractor's general obligations:				
(c) Time-related obligations Occupational Health & Safety: (a) - Preparation of Contractor's site specific Health and Safety Plan (b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of (f) - Induction Training (g) - Provision of First Aid Boxes (h) - Submission of the Health and Safety File		(a) <u>Fixed obligations</u>	Lump sum	1		
(a) - Preparation of Contractor's site specific Health and Safety Plan (b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of the OHS Act and Construction Health and Safety Officer for project of the OHS Act and Construction Health and Safety File		(b) <u>Value-related obligations</u>	Lump sum	1		
(a) - Preparation of Contractor's site specific Health and Safety Plan (b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of Induction Training (g) - Provision of First Aid Boxes (h) - Submission of the Health and Safety File		(c) <u>Time-related obligations</u>	Month	6		
(b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of the Induction Training (g) - Provision of First Aid Boxes (h) - Submission of the Health and Safety File	13,02	Occupational Health & Safety:	lump sum	1		
	13,02	 (a) - Preparation of Contractor's site specific Health and Safety Plan (b) - Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations (c) - Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations (d) - Provision for Personal Protective Equipment & Protective Clothing including the following items (i) Refective vests (15) (ii) Work Suits(15) (iii) Hard hats(15) (iv) Protective foot wear(15) (v) Earplugs and Goggles (15) (vi) Dust masks (15) (e) - Provision of full time Construction Health and Safety Officer for project of the Induction Training (g) - Provision of First Aid Boxes (h) - Submission of the Health and Safety File 				

1400			QUANTITY	RATE	AMOUNT
	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S PERSONNEL				
14,08	Services:				
	The provision of water, electricity, sewerage, septic tanks, sewage and rubbish removal, cleaning services, maintenance and repairs, all as specified in Clause 14.04, including the construction and maintenance of the access roads, footpaths, etc:				
	(a) Services at office and laboratories				
	(i) Fixed costs	Lump sum	1		
	(ii) Running costs	Month	6		
14,09	Combined office and laboratory accommodation:				
	Office and laboratory accommodation, including fittings, furniture and equipment, car ports and housing in accordance with the details given in the project specification and on the drawings and airconditioning	Lump sum	1		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500	ACCOMODATION OF TRAFFIC				
15,01	Accomodation of traffic	km	3,20		
CARRIED	FORWARD TO SUMMARY:				0

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	1600	OVEHAUL				
		Overhaul on material hauled in excess of 1.0km	m³-km	7680,00		
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
17,01	Clear and grubbing	ha	1,60		
17,02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 1m up to and including 2m	No	Rate only		
17,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	Rate only		
CARRIE	FORWARD TO SUMMARY:				-

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
NO		UNII	QUANTITY	RAIE	AIVIOUNI
2100	DRAINS				
21,01	Excavation of open drains				
	(a) Excavating soft material situated within the following depth ranges below the surface level				
	(i) 0m up to 1,5m	m³	32,00		
	(b) Extra over subitem B21.01(a) for excavation in hard material irrespective of depth	m³	Rate only		
21,02	Clearing and shaping existing open drains	m³	0,00		
21,14	Repairing or replacing of existing drainage systems	Prov Sum	0,00		
21,20	Clearing and shaping side and mitre drains by grader	m	0,00		
CARRIE	FORWARD TO SUMMARY :				_

ITEM	DE00 -1				
NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the level surface level				
	(i) 0m up to 1,5m	m³	26,00		
	(ii) Exceeding 1,5m and up to 3,0m	m³			
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m³	18,00		
22,02	Backfilling				
	(a) Using the excavated material	m³	26,00		
	(b) Using imported selected material	m³			
22,03	Concrete pipe culvert				
	(b) On class B bedding				
	(i) 600 mm dia class 100D	m	23,00		
22,07	Cast in situ concrete and formwork				
LIC	(c) concrete base lab excluding formword but including				
	class U2 surface finish (25MPa / 19)	m³	32,00		
22,17	Manholes, catch pits, inlet and outlet structurescomplete				
LIC LIC	Complete inlet structures as per detail on drawing Complete outlet structures as per detail on drawing	No No	4,00 4,00		
22,26 LIC	Hand excavation to determine the position of existing services	m³	30,00		
CARRIED	FORWARD TO SUMMARY :				_

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	BORROW MATERIALS				
31,01	Excess overburden (provisional)	m³	68,00		
31,03	Finishing-off borrow areas				
	(a) Hard material	ha	0,80		
	(b) Intermediate material	ha	0,60		
	(c) Soft material	ha	0,90		
	D FORWARD TO SUMMARY :				

ITEM	DESCRIPTION	LINUT	CHANTITY	DATE	AMOUNT
NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	MASS EARTHWORKS				
33,01	Cut and borrow to fill, including freehaul up to 0.5km :				
	(a) Material in compacted layer thickness of 150mm and less:				
	(ii) Compacted to 93% of mod AASHTO	m³	2 400		
33	Cut to spoil, including free-haul up to 0.5km Material obtained from:				
	(a) Soft excavation (b) Intermediate excavation (c) Hard excavation	m³ m³ m³	38 24 24		
33,07	Removal of unsuitable material (including free-haul of 0.5km)				
	(a) In layer thickeness of 150mm and less:				
	(i) Stable Material	m³	1 080		
33,10	Roadbed preparation and compaction of material				
	(b) Compaction to 93% Mod AASHTO density	m³	750		
33,12	Insitu treatment of roadbed (a) Insitu treatment by ripping	km	1		
CARRIED	FORWARD TO SUMMARY :				

ITEM					
NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
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				
	(h) Gravel wearing course compacted to				
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m³	2400,00		
CARRIED	FORWARD TO SUMMARY:				
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
51,01	Stone pitching				
LIC	(b) Grouted stone pitching	m²	525,00		
51,03	Stone masonry walls:				
	(b) Cement-mortared stone walls	m²	Rate only		
CADDIER	FORWARD TO SUMMARY :				

NO DESCRIPTION SOURT NATE A	
retro-reflective background. Symbols and lettering in semi matt black. Borders in Class 1 retro- reflective material, where the signboard is constructed from: (c) Prepainted galvinised steel plate (1.2mm chromadek or approved equivalent) (i) 900mm diameter Round or Stop signs: - R 1 - R 201 (60) - R 201 (60) - R 201 (60) - R 3 (iv) 150mm x 600mm Hazard Marker Signs - W401 / W402 - No. 2 (v) 450mm x 450mm Hazard Marker Signs - W405 / W406 - No. 4 56,03 Road sign supports: (b) Timber (i) 75mm diameter (ii) 100mm diameter (ii) 100mm diameter (iii) 100mm diameter (iii) 100mm diameter Excavation and backfilling for road sign supports: LIC (a) Excavation for sign supports Extra over item 56.05 for cement treated backfill:	
Or approved equivalent	
- R 1	
- R 201 (60) (ii) 900mm Triangular signs: - W326 No. 3 (iv 150mm x 600mm Hazard Marker Signs - W401 / W402 No. 2 (v) 450mm x 450mm Hazard Marker Signs - W405 / W406 No. 4 56,03 Road sign supports: (b) Timber (i) 75mm diameter (ii) 100mm diameter (ii) 100mm diameter (iii) 100mm diameter (iii) 3,00mm diameter (iii) 100mm diameter (iii) 100mm diameter (iii) 100mm diameter (iii) 100mm diameter (iiii) 100mm diameter (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	
- W326 (iv 150mm x 600mm Hazard Marker Signs - W401 / W402 (v) 450mm x 450mm Hazard Marker Signs - W405 / W406 No. 4 56,03 Road sign supports: (b) Timber (i) 75mm diameter (ii) 100mm diameter (ii) 100mm diameter (iii) 100mm diameter (iii) 100mm diameter (iii) 100mm diameter (iiii) 100mm diameter (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	
(iv 150mm x 600mm Hazard Marker Signs - W401 / W402 No. 2 (v) 450mm x 450mm Hazard Marker Signs No. 4 56,03 Road sign supports: m 0 (b) Timber m 0 55 56,06 Excavation and backfilling for road sign supports: m 3 3,2 56,06 Extra over item 56.05 for cement treated backfill: m³ 3,2	
- W401 / W402	
(v) 450mm x 450mm Hazard Marker Signs No. 4 56,03 Road sign supports: (b) Timber (i) 75mm diameter m 0 (ii) 100mm diameter m 55 56,06 Excavation and backfilling for road sign supports: m 3 LIC (a) Excavation for sign supports m³ 3,2 56,06 Extra over item 56.05 for cement treated backfill: m³ 3,2	
- W405 / W406	
Food sign supports: (b) Timber (i) 75mm diameter (ii) 100mm diameter m 55 Excavation and backfilling for road sign supports: LIC (a) Excavation for sign supports m³ 3,2 Extra over item 56.05 for cement treated backfill:	
(b) Timber (i) 75mm diameter (ii) 100mm diameter m 0 m 55 56,06 Excavation and backfilling for road sign supports: LIC (a) Excavation for sign supports m³ 3,2 56,06 Extra over item 56.05 for cement treated backfill:	
(i) 75mm diameter m 0 55 56,06 Excavation and backfilling for road sign supports: LIC (a) Excavation for sign supports m³ 3,2 56,06 Extra over item 56.05 for cement treated backfill:	
(ii) 100mm diameter m 55 56,06 Excavation and backfilling for road sign supports: LIC (a) Excavation for sign supports m³ 3,2 56,06 Extra over item 56.05 for cement treated backfill:	
LIC (a) Excavation for sign supports m³ 3,2 56,06 Extra over item 56.05 for cement treated backfill:	
56,06 Extra over item 56.05 for cement treated backfill:	
LIC (a) With soilcrete m³ 2	
CARRIED FORWARD TO SUMMARY:	

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900					-
	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
59,01	Finishing road and road reserve				
	b) Single carriageway road	km	3,20		
CARRIET	CODIMADD TO SUMMARY.				
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
62,01	Formwork to provide class F2 surface finish to concrete	m²			
62,02	Vertical formwork to provide class F2 surface finish to concrete	m²	64,00		
CARRIED	FORWARD TO SUMMARY:				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		UNII	QUANTITY	RAIE	AWOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63,01	Steel reinforcement for:				
	(a) Concrete				
	(3) Welded steel fabric mesh (ref 395)	kg	255		
0455:=-	FORWARD TO CUMMASSY				
CARRIED	FORWARD TO SUMMARY:				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		UNII	QUANTITY	RAIE	AWOUNT
6400	CONCRETE FOR STRUCTURES				
64,01	Cast in situ concrete				
LIC	(a) Class 25 /19	m³	96,00		
CARRIED	FORWARD TO SUMMARY:				-

SUMMARY OF SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT
1200	General Requirements and Provisions	
1300	Contractors Establishment and General Obligations	
1400	House, Offices and Laboratory for Engineer's Personnel	
1500	Accomodation of Traffic	
1600	Overhaul	
1700	Clearing and Grabbing	
2100	Drains	
2200	Prafabricated Culverts	
3100	Borrow Materials	
3300	Mass Earthworks	
3400	Pavement Layers of Gravel Material	
5100	Pitching, Stonework and Protection Against Erosion	
5600	Road signs	
5900	Finishing the Road Reserve and Treating of Old Roads	
6200	Falsework, Formwork and Concrete Finish	
6300	Steel reinforcing of Structures	
6400	Concrete for Structures	
Subtotal A		
Add 15% VAT	-	
Total Tender	Amount	

Signed :
Date:
Name of Tenderer :