ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	(i) Payment of community liason officer	Prov. Sum	1,00		
	(ii) Project Liaison Committee	Prov. Sum	1,00		
	 (iii) Handling costs and profit in respect of B12.01(i) &(ii) above 	%	R 0,00		
B12.05	(i)Payment by contractor to landowners	Prov. Sum	R 1,00	60000,00	R 60 000,00
	(iii) Handling costs and profit in respect of B12.05(i) above	%	R 60 000,00		
PS12.05	Protection, removal,relocation and replacement of Utility services.				
	(a) Utility services				
	 Protection, removal, relocation and replacement of utility services. 	PC Sum	1,00		
	 (ii) Handling costs and profit in respect of sub-items (a) (i) above 	%	R 0,00		
B12/C1.1	 Contractor's initial obligation in respect of the OHS Act and Construction Regulations (a) Compliance with Occupational and Safety (Act 85 of 1993) and all relevant and applicable Regulations and the Emploeyer's Health and Safety Specification 	L/Sum	1,00		
	 (i) Training of site personnel (ii) SHE representative (iii) First aid equipments (iv) Fire Fighting equipment (iv) Personal protective equipments (v) Barricading (vi) Signs (vii) Safety Officer (viii) Medical surveilance tests 	Sum Sum Sum Sum Sum Sum Sum Sum	1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00		Rate only Rate only Rate only Rate only Rate only Rate only Rate only Rate only
B12/C1.2	Implementation of approved OHS plan for the duration of the contract, including daily/weekly inspe- ctions, monthly meetings,required audits, consolidated health and safety file				
B12/C1.2	Contractor's Time related Obligations in respect of the OHS Act and Construction Regulations	L/Sum	1,00	180 000,00	R 180 000,00
B12/C1.3	Submission of Health and Safety File	L/Sum	1,00		
B12.07	Provision for CETA Accredited Training Generic Skills & Enterpreneurial Skill	Prov.Sum	1	200 000	200 000,00
	 Handling cost and profit in respect of (B12.07) above. 	%	R 200 000,00		
1200	TOTAL CARRIED TO SUMMARY				

			1		SECTION 1300
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300	CONTRACTOR'S ESTABLISHMENT ON AND GENERAL OBLIGATIONS	<u>SITE</u>			
13,01	The Contractor's general obligations:				
	(a) Fixed obligations	Lump. Sum	1		
	(b) Value-related obligations	Lump. Sum	1		
	(c) Time-related obligations	Month	9		
1300	TOTAL CARRIED TO SUMMARY				

	TRUCTION OF SANTENG TO MOLALANE LOW LEVEL BRIDGE			SEC	TION 1400		
ITEM NO			DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1400	<u>HOU</u> FOR	SING. THE	OFFICES AND LABORATORIES ENGINEER'S SITE PERSONNEL				
14.01	Offic	e and	laboratory accommodation:				
	(a)	Office	es (interior floor space only)	m²	80		Rate Only
	(e)	Ablut	ion units	m²	15		Rate Only
14.02	Offic	e and	laboratory furniture:				
	(a)	Chaiı	'S	number	20		Rate Only
	(d)	Desk	s, complete with drawers and locks	number	1		Rate Only
	(f)	Conf	erence tables	number	1		Rate Only
14.03		e and oment:	laboratory fittings, installations and				
	(a)	Items	s measured by number:				
		(i)	220/250 volt power points	number	3		Rate Only
		(iii)	Double 80 watt fluorescent-light fittings complete with ballast and tubes	number	1		Rate Only
		(v)	Single incandescent-light fittings complete with 100 watt globes	number	1		Rate Only
		(vi)	Wash-hand basins complete with taps and drains	number	1		Rate Only
		(x)	Fire extinguishers, 9,0 kg all purpose dry powder type, complete, mounted on wall with brackets	number	2		Rate Only
		(xi)	Air-conditioning units with, 2,2 kW minimum capacity, mounted and with own power connection	number	1		Rate Only
		(xiv)	General-purpose steel cupboards with shelves	number	1		Rate Only
		(xv)	Steel filing cabinets with drawers	number	1		Rate Only
	(b)		e-cost items and items paid for in a lump	l I			
		sum (v)	The provision of a fax apparatus as				
			specified	Prov. Sum			Rate Only
1400				тот	AL CARRIED	FORWARD	

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT		
	Brou	Brought forward						
14.04	Car-	ports	number	2		Rate Only		
14.07	Rent	ed, hotel and other accommodation for Engine	l er:					
	(a)	Provisional Sum for providing rented housing, hotel or other accommodation as						
		described in Subsubclause 1403(c)(ii)	Prov. Sum	1,00		Rate Only		
	(b)	Handling costs and profit in respect of subitem 14.07(a)	%	Rate Only		Rate Only		
14,10	Prov	ision of photostat facilities	month	5		Rate Only		
B14.11	Tele	Telecommunications System						
	(g)	Provision of digital camera. Handling costs and profit in respect of subsubitem 14.11(a), (c) above	Lump. Sum %	1 R 50 000,00	10,00%	R 50 000,00 R 5 000,00		
B 14.14	Spee	cialists Services						
	b)	Occipational Health & Safety Consultants	Prov Sum	1,00	180 000,00	R 180 000,00		
	c)	Specialits Environmetanl Cosultants	Prov Sum	1,00	160 000,00	R 160 000,00		
		Subitems B14.14 (b) and $\ensuremath{\mathbb{C}}$	%	340 000,00		R 0,00		
1400	TOTAL CARRIED TO SUMMARY							

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500	ACCOMMODATION OF TRAFFIC				
15,01	Accommodating traffic and maintaining temporary deviations	km	1,00		
15,02	Earthworks for temporary deviations:				
	(a) Shaping of temporary deviations	km	0,20		
	(b) Cut and borrow to fill	m³	15,00		
	(c) Cut to spoil	m³	15,00		
B15.03	Temporary traffic-control facilities:				
	(a) Flagmen	man-day	32,00		
	(b) Portable STOP and GO-RY signs	number	2,00		
	(e) Road signs, R- and TR-series, (size indicated)	number	5,00		
	(f) Road signs, TW-series, (size indicated)	number	5,00		
	(g) Road signs, STW-, DTG-, TGS- and TG- series (excluding delineators and barricades)	m²	10,00		
	(h) Delineators (DTG50J):				
	(i) Single	number	20,00		
	(ii) Mounted back to back	number			Rate Only
	(j) Traffic cones 600mm	number			Rate Only
	(I) Movable barriers (type indicated)	No			Rate Only
	(n) Safety jackets and hats	No	6,00		
15.04	Relocation of traffic-control facilities	∟ump. Sum	1,00		Rate Only
15.05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:				
	(a) Temporary deviations	m³	30,00		
15.06	Watering of temporary deviations	kilolitre	4 500,00		
1500	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY CONTRACT NO:MLM/SCM/77/2024 MARULENG LOCAL MUNICIPALITY

CONTRACT NO:MLM/SCM/77/2024

CONSTRUCTION OF SANTENG TO MOLALANE LOW LEVEL BRIDGE

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward	<u> </u>			R 0,0
15.07	Blading by road grader of:				
	(a) Temporary deviations	km-pass	0,5		
	(b) Existing roads used as temporary deviations	km-pass	0,5		
15.08	Repairs, alterations and/or additions to	P			
	existing roads used as temporary deviations	Prov. Sum			Rate Or
B15.10	Accommodating traffic where the road is constructed in half widths.	km			Rate Or
B15.12	Temporary culverts				
	 Provision and laying of temporary prefabricated culverts complete: 				
	 (i) Type SC pipe D-load pipes with ogee joints on class D bedding: 				
	(1) 600mm dia	m			Rate Or
	(b) Re-use of prefabricated culverts complete:				
	 (i) Type SC pipe D-load pipes with ogee joints on class D bedding: 				
	(1) 600mm dia	m			Rate Or
	(c) Eventual removal of prefabricated culverts:				
	 (i) Type SC pipe D-load pipes with ogee joints on class D bedding: 				
	(1) 600mm dia	m			Rate Or
B15.14	Allow providsional sum for:				
	(a) Repair of damaged temporary road signs	Dray			
	and delineators	Prov. Sum			Rate O
	(b) River Diversion by contractor on approval by the Engir	eer Prov.			
		Sum	1	450 000,00	R 450 000,
1500	TOTAL CARRIED TO SUMMARY				

1600 OVERHAUL 16.02 Overhaul on material in excess of 1.0 km (ordinary overhaul) m ³ -km 1 500,00 Image: Second seco	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	1600	OVERHAUL				
	16,02	Overhaul on material in excess of 1.0 km (ordinary overhaul)	m ³ -km	1 500,00		

SECTION 1	700
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
17,01	Clearing and grubbing	ha	1,0		
17,02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1 m up to and including 2m	No	10		
1700	TOTAL CARRIED TO SUMMARY				

SECTION 1800 ITEM DESCRIPTION UNIT QUANTITY RATE AMOUNT NO 1800 DAYWORKS B18.01 Labourers: Unskilled (i) Rate Only h -(ii) Semi-skilled h Rate Only -Skilled (iii) h Rate Only B18.02 Rate Only Foreman h Tipper trucks: B18.03 3 - 5 ton Rate Only (i) h (ii) 5.1 - 10 ton h Rate Only _ B18.04 Loader (0,5m³) Rate Only h Grader (CAT 140G or similar) Rate Only B18.05 h LDV B18.06 Rate Only km _ B18.07 Compaction rollers: Vibratory roller Rate Only (i) h -(ii) Tamping roller Rate Only h (iii) Grid roller h _ Rate Only Hand controlled compactors B18.08 Pedestrian roller (Bomag BW90) (i) h _ Rate Only (ii) Vibratory plate Rate Only h _ (iii) Rammers h Rate Only _ B18.09 Water truck (min. 10000litre) Rate Only h -B18.10 Dozer (D7 or similar) h Rate Only TOTAL CARRIED TO SUMMARY 1800 Rate Only

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2100	DRAINS				
LI 21.01	Excavation for open drains:				
	 Excavating soft material situated within the following depth ranges below the surface level: 				
	(i) 0 m up to 2,0 m	m³	200		
	(b) Extra over subitem 21.01(a) for excavation in hard material, irrespective of depth	m³	10		
LI 21.02	Clearing and shaping existing open drains	m³	15		
LI 21.03	Excavation for sub-soil drainage systems:				
	 Excavating soft material situated within the following depth ranges below the surface level: 				
	(i) 0 m up to 1,5 m	m³	150		
	(b) Extra over subitem 21.03(a) for excavation in hard material, irrespective of depth	m³	150		
21,04	Impermeable backfill to subsoil drainage systems	m³	150		
21,05	Banks and dykes	m³	80		
21,06	Natural permeable material in sub-soil drainage systems (crushed stones).				
	(b) Crushed stone obtained from commencial sources.				
	(2) Coarse-graded -19mm surfacing stone.	m³	104		
21,07	Natural permeable material in subsoil drainage systems (sand)				
	(b) Sand from commercial sources				
	(1) Coarse Grade	m³	78		
21,08	Pipes in subsoil drainage systems: (b) Unplasticised PVC pipes and fittings, normal duty complete with couplings (1) 150mm internal dia. Perforated.	m	800		
2100	TOTAL CARRIED TO FORWARD				

			1		SECTION 210
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
NO	BROUGHT FORWARD				0,00
04.00					
21,09	Polyethylene sheeting 0.15mm tick, or similar, approved material, for linning subsoil drainage systems.	m²	400		
21,10	Synthetic-fibre filter fabric (Grade A2 or equivalent)	m²	400		
21,12	Concrete/brick work outlet structures,manhole boxes junction boxes and cleaning eyes for sub-soil drainage systems:				
	(a) Outlet structures	No			Rate Only
	(c) Junction boxes	No			Rate Only
	(d) Cleaning eyes	No			Rate Only
21,13	Concrete caps for sub-soil drain pipes	No			Rate Only
21,15	Overhaul for material hauled in excess of 1.0km free-haul (normal overhaul).	m³.km			Rate Only
21,17	Test flushing of pipe subsoil drains	m			Rate Only
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density.	m³			Rate Only
2100	TOTAL CARRIED TO SUMMARY				

SECTION	2200
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
22,01	Excavation:				
	 Excavating soft material situated within the following depth ranges below the surface level: 				
	(i) 0 m up to 2,0 m	m³	300		
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m³	40		
22,02	Backfilling:				
	(a) Using the excavated material	m³	300		
	(c) Extra over subitems 22.02(a) and (b) for soil cement backfilling containing 2% cement	m³	50		
	(d) Rockfill	m³	690		
22.05	Portal and Rectangular culverts:				
	(b) Without the fabricated floor slabs (2400 x 1500-75S).	m	52		
B22.07	Cast in situ concrete and formwork:				
	(b) (i) In floor slabs for portal or rectangular culverts including formwork, joints and class U2 surface finish (class 30/19)	m³	105		
	(ii) Between culvert units (class 15/19)	m³	14,0		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes,trust and anchor blocks, including formwork and including class U2 surface finish.				
	(1) Class 30/19	m³	66		
22,1	Steel reinforcement				
	(a) Mild steel bars	ton	11		
	(b) High-tensile steel bars	ton	9		
	(c) Welded steel fabric (195)	kg	1 477		
	(d) Welded steel fabric Mesh (888)	kg	1 633		
2200	TOTAL CARRIED FORWARD		I		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	MASS EARTHWORKS				
33,01	Cut and borrow to fill, including free-haul up to 0,5 km:				
	 Material in compacted layer thicknesses of 200 mm and less: 				
	(i) Compacted to 90% of modified AASHTO density	m³	500		
	(c) Rock fill (as specified in subclause 3209c)	m³	122		
33.04	Cut to spoil, including free-haul up to 0,5 km. Material obtained from:				
	(a) Soft excavation	m³	500		
33.07	Removal of unsuitable material (including free-haul of 0,5 km):				
	(b) In layer thicknesses exceeding 200 mm:				
	(i) Stable material	m³			Rate Only
	(ii) Unstable material	m³	268		
33.10	Roadbed preparation and the compaction of material:				
	(a) Compaction to 90% of modified AASHTO density	m³	322		
33,13	Finishing-off cut and fill slopes, medians and interchange areas:				
	(a) Cut slopes	m²	80		
	(b) Fill slopes	m²	200		
33,20	Fill constructed with material obtained from commercial sources or sources providing by the Contactor, including all haul:				
	 Gravel material in compacted layer thicknesses of 200 mm and less: 				
	(i) Compacted to 90% modified AASHTO density	m³	1 569,00		
3300					
					SECTION 34
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
34.01	Pavement layers constructed from gravel taken from cut or borrow including free-haul up to 1,0 km:				
	(a) Gravel Selected layer compated to:				
	(i) 95% of modified AASHTO density for a				
	compacted layer thickness of 150 mm	m ³	1 500		
3400	TOTAL CARRIED TO SUMMARY				

					SECTION 5100
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
NO					
5100					
5100	PITCHING, STONEWORK AND PROTECT AGAINST EROSION				
1154.04					
LI 51.01	Stone pitching:				
	(b) Grouted stone pitching 150 mm thickn	m²	920		
5100	TOTAL CARRIED TO SUMMARY				
1					1

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5200	GABIONS				
LI 1/52.01	Foundation trench excavation and backfillng				
	(b) In all other classes of material.	m ³	720		
LI 1/52.02	Surface preparation for bedding the gabions	m²	360		
LI 1/52.03 LI 1/52.03	Gabions (a) Galvanized gabion boxes, wire diameter 2,7mm, mesh size 80mm x 100mm, diaphragm spacing: 1,0m				
	(i) 1 m x 1 m x 1 m	m³	300		
	(ii) 1 m x 1 m x 0,5 m	m³	300		
	 (c) Galvanized gabion mattresses (wire diameter 2,5 mm, mesh size 80mm x 100mm, diaphragm spacing 1,0m (i) 300 mm deep 	m³	100		
LI 1/52.04	Filter fabric				
	(a) Grade U24 or approved equivalent	m²	1600		
5200	TOTAL CARRIED FORWARD TO SUMMARY				
5400	GUARDRAILS				
LI 1/54.01	Guardrails on timber posts				
	(a) Galvanised	m	160		
54,04	End treatments:				
	(a) End wings	No.	4		
	(b) Bull-Noses	No.	4		
LI 1/B54.14	Guardrails with pedestrian railings of steel 100x100x5mm Angle Iron fixed on the bridge deck.	m	50		
54,03	Reflective plates	No.	50		
B54.04	Handrails	m	35		
5400	TOTAL CARRIED FORWARD TO SUMMARY				
5600	ROAD SIGNS				
1/56.01	Road sign boards with painted or coloured semi-matt background.				
	(a) Aluminium sheet (2,0 mm thick)				
	(i) (i) Area not exceeding 2 m ²	m²	10		
1/56.02	Extra over item 56.01 for using: (a) Background of retro-reflective material: (i) Class 1	m ²	10		
1/56.03	Road sign supports				
	(a) Steel tubing (galvanised)	t	0,5		
5600	TOTAL CARRIED FORWARD				
1/61.01	Additional foundation investigation	Prov Sum			
	(i) Handling cost and profit in respect of (1/61.01) above.	%	R 0,00		
6100	TOTAL CARRIED FORWARD				
	TOTAL CARRIED FORWARD TO SUMMARY				

					SECTION 5900
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
59,01	Finishing the road and road reserve:				
	(b) Single-carriageway road	km	1,00		
5900	TOTAL CARRIED TO SUMMARY	1	<u>I</u>		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING MATERIALS AND WORKMANSHIP				
81.02	Other special tests requested by the Engineer:				
	(a) Cost of testing	PC.Sum	1,00	R 80 000,00	R 80 000,00
	(b) Charge on Prime Cost Sum	%	80 000		
8100	TOTAL CARRIED TO SUMMARY				

SUMMARY OF SCHEDULE OF QUANTITIES

1200	GENERAL REQUIREMENTS AND PROVISIONS	.R
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	R
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL	R
1500	ACCOMMODATION OF TRAFFIC	R
1600	OVERHAUL	.R
1700	CLEARING AND GRUBBING	R
1800	DAYWORKS	R
2100	DRAINS	R
2200	PREFABRICATED CULVERTS	.R
3300	MASS EARTHWORKS	R
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	R
5100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION	R
5200	GABIONS	.R
5400	GUARDRAILS	.R
5600	ROAD SIGNS	R
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS	.R
8100	TESTING MATERIAL AND WORKMANSHIP TREATING OLD ROADS	.R
	TOTAL	R
	CALCULATION OF TENDER SUM	
SUMMARY C	F SCHEDULE OF QUANTITIES TOTAL	R
ADD CONTIN	GENCIES	
Add 10% of c	ontigencies	R
	SUBTOTAL	R
	ADDED TAX (VAT) shall add 15% of subtotal for VAT	R
TOTAL CARI	RIED TO FORM OF OFFER	R

BIDDER'S SIGNATURE

DATE: