

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/032

ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.00		<u>1200: GENERAL REQUIREMENTS AND PROVISIONS</u>				
B12.01		Excavation: Excavating material within the following depth ranges below ground level for the exposing of/or searching for services:				
		a) 0m to 2m				
	LIC	i) Soft excavation	m³	200.00		
		ii) Hard excavation	m³	150.00		
		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 services where no machine excavation is permitted.				
	LIC	i) Soft excavation	m³	50.00		
		ii) Hard excavation	m³	27.50		
B12.02		Backfilling:				
	LIC	a) Using the excavated material	m³	500.00		
	LIC	b) Using imported selected material	m³	500.00		
B12.03		Relocation and protection of existing services:				
	LIC	a) Relocation, including lowering or raising, protection and/or repair of existing services which are not allowed for under any other items in the schedule of quantities.	Prov. Sum	300,000.00	1.00	R 300,000.00
	LIC	b) Handling cost and profit in respect of sub-item B12.03(a)	%			
	LIC	c) Relocation and Reinstatement of Existing Fences	m	400		
B12.04		Payment of Student Trainee				
		a) Provisional sum for the payment of Student Trainee at R 6500 per month (provision for two student trainees)	Prov. Sum	58,500.00	1.00	R 58,500.00
		b) Handling costs and profit in respect of sub-item B12.04(a)	%			
B12.05		Provision for a Community Liaison Officer				
		(a) Provisional sum for the payment of the Community Liaison Officer at R6000/month	Prov. Sum	54,000.00	1.00	R 54,000.00
		(b) Handling costs and profit in respect of sub-item B12.05(a)	%			
1200		TOTAL CARRIED FORWARD				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		AMOUNT BROUGHT FORWARD				
B12.06		Payment of PSC members				
		a) Provisional sum for the payment of PSC members R200 per member per meeting	Prov. Sum	1	14,000.00	R 14,000.00
		b) Handling costs and profit in respect of sub-item B12.06(a)	%	14,000.00		
B12.07		Provision for PPE for Labourers				
		a) Provisional sum for the payment of PPE for labourers members	Prov. Sum	250,000.00	1.00	R 250,000.00
		b) Handling costs and profit in respect of sub-item B12.02(a)	%			
12.09		Contract Nameboard (As per drawing No.)	No	2.00		
1200		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.00		<u>1300: CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
		The contractors general obligations :				
		(a) Fixed obligations	Lump sum	1		
		(b) Value-related obligations	Lump sum	1		
		(c) Time-related obligations	Month	9		
		The combined total tendered for sub-items (a), (b) and (c) shall not exceed 15% of the tender sum.				
		<u>OCCUPATIONAL HEALTH AND SAFETY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS</u>				
B13.01		Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Month	9		
B13.02		Submission of the Health and Safety File	Lump Sum	1		
		The combined total tendered for items B13.01 and B13.02 shall not be less than 1% of the total tendered sum, excluding VAT				
B13.03		Provision of Health and Safety Representative	Prov. Sum	1	R 135,000.00	135,000.00
B13.04		Acredited Training				
B13.04.01		Generic and Technical Skills	Prov. Sum			R 165,000.00
B13.04.02		Handling cost and profit in respect of sub-items B13.04.01 above	%	R 165,000.00		
B13.05		Environmental Compliance				
B13.05.01		Environmental Awareness	Prov. Sum	1.00	R 35,000.00	R 35,000.00
B13.05.02		Compliance Monitoring	Prov. Sum	1.00	R 324,000.00	R 324,000.00
B13.05.03		Handling cost and profit in respect of sub-items B13.05.01 and B13.05.02 above	%	R 359,000.00		
B13.06		OH&S Compliance				
B13.06.01		Provision of OH&S Specification by OH&S Agent and evaluation of Contractors OH&S file	Prov. Sum	1.00	R 50,000.00	R 50,000.00
B13.06.02		Compliance Monitoring	Prov. Sum	1.00	R 315,000.00	R 315,000.00
B13.06.03		Handling cost and profit in respect of sub-items B13.06.01 and B13.08.02 above	%	R 365,000.00		
1300		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.00		<u>1400: HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u>				
14.01		Office and laboratory accommodation:				
		(a) Offices (interior floor space only)	m²	43.92		
		(e) Ablution units	m²	16.00		
		(f) Stores	No.	14.64		
14.02		Office and laboratory furniture:				
		(a) Chairs	No.	20.00		
		(d) Desks, complete with drawers and locks	No.	2.00		
		(f) Conference tables	No.	1.00		
B14.03		Office and laboratory fittings, installations and equipment:				
		(a) Items measured by number :				
		(i) 220/250 volt power points	No.	8.00		
		(iii) Double 80 watt fluorescent-light fittings complete with ballast and tubes	No.	6.00		
		(vi) Wash-hand basins complete with tabs and drains	No.	2.00		
		(x) Fire extinguishers, 9,0kg, all purpose dry powder type, complete, mounted on wall with brackets	No.	3.00		
		(xi) Air-conditioning units with, 2,2kW minimum capacity, mounted and with own power connection	No.	3.00		
		(xiv) General - purpose steel cupboards with shelves	No.	3.00		
		(xvi) Refrigerators	No.	2.00		
		(xviii) Voltage stabilizers	No.	4.00		
		(b) Prime-cost items and items paid for in a lump sum:				
		(ix) Provision of cellular telephones:				
		(1) Supply of cellular telephones	No.	2		
		(2) Cost of calls and other charges	Prov. sum	1	R5,000.00	R5,000.00
		(3) Handling cost and profit in respect of subsubitem B14.03(b)(ix) (1) and (2) above	%	5,000.00		
1400		TOTAL CARRIED FORWARD				

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ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		AMOUNT BROUGHT FORWARD				
14.04		(c) Items measured by area: (ix) White boards (1,5m x 1,5m) Car ports	m²	2		
		Car ports, 3.0m wide and 2,5m high, at offices	No.	3		
B14.07		Rented Accomodation of the Resident Engineer	Prov. Sum	1	R96,000.00	R96,000.00
		Handling cost and profit in respect of subsubitem B14.07 above	%	96,000.00		
14.08		The provision of water, electricity, low-pressure gas, sewerage, septic tanks, sewage and rubbish removal, cleaning services, maintenance and repairs, all as specified in clause 1404, including the construction and maintenance of the access roads, footpaths, etc:				
		(a) Services at offices and laboratories:				
		(i) Fixed costs	Lump Sum	1		
		(ii) Running costs	Month	9		
		c) Services for rented houses	Month	9		
14.10		Provision of photostat facilities	Month	9		
1400		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.00		<u>1500: ACCOMMODATION OF TRAFFIC</u>				
B15.01		Accommodation of traffic and the provision and maintaining of diversions				
		(a) On the existing roads	km	3.20		
B15.03		Temporary traffic-control facilities:				
		(b) Portable STOP and GO-RY signs	No.	2		
		(d) Amber Flicker Lights	No.	2		
		(e) Road signs, R- and TR-series, 1200 mm dia	No.	10		
		(f) Road signs, TW-series, 1524 mm sides	No.	10		
		(g) Road signs, STW, DTG, TGS and TG-series	m²	8		
		(h) Delineators (TW401 & TW402)				
		(i) Single				
		(1) 800mm x 250mm	No.	10		
		(ii) Double, mounted back to back	No.	20		
		(i) Moveable barricade / road sign combination (2.4m chevron)	No.	7		
		(m) Two-way communication devices	No.	2		
1500		TOTAL CARRIED FORWARD				

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ITEM	LIC	DESCRIPTION	UNIT	RATE	QUANTITY	AMOUNT
		AMOUNT BROUGHT FORWARD				
15.05		Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations: (a) Temporary deviations	m³	1350		
15.06		Watering of temporary deviations	kl	3500		
15.07		Blading by road grader of: (a) Temporary deviations	km-pass	600		
B15.10		Accommodation of traffic where the road is constructed in half-widths	km	3.20		
1500		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.00		<u>1700: CLEARING AND GRUBBING</u>				
17.01		Clearing and Grubbing	ha	2.56		
17.02		Removal and Grubbing of Trees and Tree Stumps				
		(i) Girth exceeding 1m up to and including 2 m	No.	10		
		(ii) Girth exceeding 2m up to and including 3m	No.	5		
17.03		Re-clearing of surfaces (on written instructions of the engineer only)	ha	1.28		
17.04		Clearing and grubbing at inlets and outlets of hydraulic structures	m ²	84.00		
17.05		Cleaning out of hydraulic structures				
		(b) Pipes with an internal diameter exceeding 750 mm	m ³	200		
1700		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18.00		<u>1800: DAYWORKS SCHEDULE</u>				
B18.01		Labourers:				
		(i) Unskilled labour	h	18.00		
		(ii) Semi-skilled labour	h	18.00		
		(iii) Skilled labour	h	18.00		
B18.02		Foreman	h	18.00		
B18.03		Tipper trucks:				
		(i) 3 - 5 ton	h	24.00		
		(ii) 5,1 - 10 ton	h	24.00		
B18.04		Loader (0,5m³)	h	18.00		
B18.05		Grader (CAT 140G or similar)	h	18.00		
B18.06		LDV	h	18.00		
B18.07		Compaction Rollers:				
		(i) Vibrator roller	h	18.00		
		(ii) Tamping roller	h	18.00		
		(iii) Grid roller	h	18.00		
B18.08		Hand Controlled Compactors:				
		(i) Pedestrian roller (Bomag BW90)	h	18.00		
		(ii) Vibratory plate	h	18.00		
		(iii) Rammers	h	18.00		
B18.09		Water truck (min. 1000 l)	h	18.00		
B18.10		Dozer (D7 or similar)	h	18.00		
1800		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
21.00		<u>2100: DRAINS</u>				
21.01		Excavation for Open Drains (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0m up to 1,5m (b) Extra over subitem 21,01 (a) for excavation in hard material irrespective of depth	m ³ m ³	4,800 960		
21.05		Banks and dykes (a) Cut 1m wide 400mm deep trapazoidal shape dyke and fill bank with cut material in layers of 200mm 2m wide with 1:5 slope between bank and dyke and 1:5 slope cut and fill embankments. Compact bank to 90% Mod AASHTO Density	m ³	640		
2100		TOTAL CARRIED FORWARD				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
22.00		<u>2200: PREFABRICATED CULVERTS</u>				
22.01		Excavation: (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0m up to 1,5m (ii) Exceeding 1,5 up to 3,0m (b) Extra over subitem 22,01 (a) for excavation in hard material irrespective of depth	m³ m³ m³	88.63 65.35 169.37		
22.02		Backfilling: (a) Using the excavated material (b) Using imported selected material	m³ m³	45.70 66.77		
22.05		Portal and rectangular culverts: (a) Complete with prefabricated floor slabs (i) 900mm X 600mm (ii) 1200mm X 600mm (b) Without prefabricated floor slabs (i) 600mm Ø Class 100D on Class C Bedding	m m m	35.00 58.00 143.19		
2200		TOTAL CARRIED FORWARD				

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ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B22.07		AMOUNT BROUGHT FORWARD				
		Cast in situ concrete and formwork:				
	LIC	(c) In inlet and Outlet structures, skewed ends catchpits manholes, thrust and anchor blocks, excluding formwork, but including class U2 surface finish				
		(i) Class 30MPa/19mm concrete	m ³	30.00		
	LIC	(d) Formwork of Concrete under subitem 22,07 (c) above				
		(i) Class U2 Surface finish	m ²	214.00		
	22.10	Steel reinforcement				
		(a) Mild steel bars	t	1.50		
		(b) High tensile steel bars	t	1.50		
	22.18	Brickwork				
	LIC	(b) 230mm thick	m ²	214.00		
2200		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23.00		<u>2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</u>				
23.01		Concrete Kerbing				
	LIC	(a) Precast barrier kerb, Figure 3	m	300		
		(b) Precast barrier kerb, Figure 7	m	350		
		(c) Precast barrier kerb, Figure 8c	m	7,000		
		CAST-IN-SITU CONCRETE KERBING				
		<u>Cast-in-situ strength concrete 30Mpa/19mm edge beam size 150mm wide x 175mm high, wood floated on top, angle rounded edges and 10mm thick expansion joints at 3m centres</u>				
		(d) Straight sections	m	150		
		<u>TRANSITIONS TO KERBS</u>				
		<u>Cast-in-situ strength concrete 30Mpa/19mm transitions</u>				
		(e) Transitions 2m long (all types of kerbs)	no	32		
23.06		Inlet, outlet, transition and similar structures: (including in-situ concrete chutes)				
	LIC	(a) Cast in situ concrete lining for Chute inlets Type "E": (Class 30/19 concrete):	m ³	165.00		
		(b) Formwork (Class F1 surface finish) for Type "E" chutes & inlets :				
		(i) To side with formwork on both internal and external faces (each face measured)	m ²	250.00	Rate Only	
		(c) Class U2 surface finish to cast in situ concrete:	m ²	200.00	Rate Only	
23.07		Trimming of excavation for concrete-lined open drains:				
		(a) In soft material	m ²	455.75		
		(b) In hard material	m ²	450.00		
23.08		Concrete lining for open drains				
	LIC	(a) Cast in situ concrete lining (30/19)				
		(i) 1000mm x 125 mm x 150 mm	m ³	375.99		
		(b) Class U2 surface finish to cast in situ concrete	m ²	1,823.00		
		(c) To ends of slabs	m ²	1,823.00		
23.10		Sealed joints in concrete linings of open drains				
		(a) 10mm: "flexcell" joint	m	1423		
23.12		Steel Reinforcement				
		(c) Welded steel fabric ref 395	kg	6,182.94		
2300		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
31.00		<u>3100: BORROW MATERIALS</u>				
31.01		Excess overburden				
		(a) Remove excess overburden and stockpile on site	m³	1600		
31.03		Finishing off borrow areas in				
		(b) intermediate material	ha	0.8		
		(c) Soft Material	ha	0.8		
B31.04		Negotiate with land owner, obligations and costs and compensation of the owners of the land on which the borrow pit is located	Prov. Sum	1	R125,000.00	R 125,000.00
		(b) Handling cost and profit in respect of Item B31.04	%	R 125,000.00		
B31.05		Royalties for the use of borrow pit				
		a) Royalty as agreed with Employer	Prov. Sum	1	R185,000.00	R 185,000.00
		b) Handling Cost and profit in respect of Sub-item B31.05(a)	%	R 185,000.00		
3100		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
32.00		<u>3200: SELECTION, STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS, CUTTING PAVEMENT LAYERS, AND PLACING AND COMPACTING OF GRAVEL LAYERS</u>				
32.06		Stockpiling of material				
		G5 Material from borrowpit stockpiled on site	m³	9360		
3200		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300.00		<u>3300: MASS EARTHWORKS</u>				
B33.01		Cut and borrow to fill, including free-haul up to 5km (a) Material in compacted layer thickness of 200mm and less (ii) Compacted to 93% mod.AASHTO density	m ³	12389		
B33.04		Cut to spoil including freehaul up to 5km (a) Soft excavation measured in its original position (c) Hard rock excavation	m ³ m ³	880 1500		
33.10		Roadbed preparation and the compaction of material (b) Rip, shape and re-compaction to 90% of modified AASHTO	m ³	3744		
33.13		Finishing-off cut and fill slopes, medians and interchange a) Cut slopes b) Fill Slopes	m ² m ²	12800 6400		
3300		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400		<u>3400: PAVEMENT LAYERS OF GRAVEL MATERIAL</u>				
B34.01		Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 5,0 km:				
		(a) Gravel Selected layer compacted to:				
		(i) 93% of modified AASHTO density 150mm thick minimum G7 lower selected, material from stockpile	m³	3,744		
		(d) Gravel subbase (Unstabilised material) compacted to:				
		(ii) 95% of modified AASHTO maximum dry density 300mm thick G5 material from stockpile	m³	9,360		
		(e) Gravel base (Unstabilised Gravel) compacted to:				
		(i) 88% of maximum dry density 125mm thick Constructed from crushed G2 mechanically modified material from commercial source including all haul	m³	3,304		
34,11		Watering the pavement excavation floor	kl	90		
16,02		Overhaul of material hauled in access of 1,0 km (ordinary overhaul)	m³-km	9,360		
3400		TOTAL CARRIED FORWARD				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3500		<u>3500: STABILIZATION</u>				
35.01		Chemical stabilisation extra-over unstabilized compacted layers:				
		(a) Base layer : 150 mm thickness	m³	Rate only		
35.02		Chemical Stabilising Agent:				
		(a) Ordinary Portland Cement CEMII (B-L) 32,5N	t	Rate only		
35.04		Provision and application of water for curing	kℓ	Rate only		
3500		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
41.00		<u>4100: PRIME COAT</u>				
B41.01		Prime coat: (b) Quick drying MC30 Cutback Bitumen or similar approved product	litre	17465.00		
41.03		Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment	litre	1746.50		
4100		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200		<u>ASPHALT SURFACING</u>				
42,02		Asphalt Surfacing				
		(a) Continuously graded hot-mix asphalt using:				
		(i) 30mm thick continuously graded hot mix asphalt	t	1976.00		
42.05		Binder: 80/100 Penetration Grade Bitumen + 2% cutter				
42.08		100mm Cores in asphalt paving	No	20		
B42,09		Traffic Calming Measures	L/Sum	1		
4200		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5200		<u>5200: GABIONS</u>				
52.01		Foundation Trench excavation & backfilling				
		(a) In solid rock	m ³	215.28		
		(b) In all classes of material	m ³	215.28		
52.02		Surface preparation for bedding the gabions	m ²	936.00		
52.03		Gabions				
		(a) Galvanised gabion boxes (6m x 2mx0,3m) ,	m ³	215.28		
		(c) Galvanized gabion mattresses	m ³	215.28		
52.04		Filter Fabric	m ²	936.00		
5200		TOTAL CARRIED TO SUMMARY				

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ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400		<u>5400: GUARDRAILS</u>				
54.01	LIC	Guard Rails on Timber Posts (a) Galvanised	m	670		
5400		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
56.00		<u>ROAD SIGNS</u>				
B56.01		Road sign boards sign faces with painted or coloured back-ground. Symbols, lettering and borders in engineering-grade retro-reflective material, where the sign board is constructed from :				
		(c) Prepainted galvanized steel plate (chromadek or approved equivalent):				
		(i) Area not exceeding 2m²	m²	212.04		
56.02		Extra over item 56.01 for using:				
		(a) Background of retro-reflective material:				
		(i) Class III	m²	84.82		
56.03		Road sign supports (over-head road sign structures excluded):				
	LIC	(a) Steel Tubbing :				
		(i) 76mm Diameter D-Shape, 2.0m wall thickness galvanised	m	225.00		
56.06	LIC	Extra over item 56.05 for cement-treated soil backfill	m³	235.00		
56.07		Extra over item 56.05 for rock excavation	m³	550.00		
B56.10		Danger plates at culverts/structures:				
		(a) Type A at stormwater culverts (800mm x 200mm)	No	72.00		
5600		TOTAL CARRIED TO SUMMARY				

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
57.00		5700: ROAD MARKINGS				
57.02		Retro-reflective road-marking paint:				
		(a) White lines (broken or unbroken):				
		(i) 100mm wide	km			Rate Only
	LIC	(ii) 150mm wide	km	3.50		
		(b) Yellow lines - 100mm width				
		(i) 100mm wide	km			Rate Only
	LIC	(ii) 150mm wide	km			Rate Only
		(iii) 200mm wide	km			Rate only
	LIC	(d) White lettering and symbols	m²	42.00		
57.04		Variations in rate of application:				
		(a) White paint	l	170.00		Rate only
		(b) Yellow paint	l	1,000.00		Rate only
		(d) Retro-reflective beads	kg	250.00		Rate only
5700	TOTAL CARRIED TO SUMMARY					

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ITEM	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
59.00		<u>FINISHING THE ROAD AND ROAD RESERVE AND</u>				
59.01		Finishing the road and road reserve:				
	LIC	(b) Single carriageway road and road reserve	km	3.2		
5900		TOTAL CARRIED TO SUMMARY				

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/032

ITEM	LIC	DESCRIPTION	UNIT	RATE	QUANTITY	AMOUNT
81.00		<u>8100: TESTING MATERIALS AND WORKMANSHIP</u>				
81.02		Other special tests requested by the engineer				
		(a) Cost of testing	Prov. Sum	R 160,000.00	1	R160,000.00
8100		TOTAL CARRIED TO SUMMARY				

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/032

CONSTRUCTION OF MADIBONG INTERNAL ROAD

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/034

C2.3 SUMMARY OF SCHEDULE OF QUANTITIES**SCHEDULE A: ROADWORKS**

SECTION	DESCRIPTION	AMOUNT
1200	General Requirements and Provisions	
1300	Establishment and General Obligations	
1400	Housing, Offices & Laboratories	
1500	Accommodation of Traffic	
1700	Clearing and Grubbing	
1800	Dayworks	
2100	Drains	
2200	Prefabricated Culverts	
2300	Concrete Kerbing, Concrete Channeling, Open Chutes	
3100	Borrow Materials	
3200	Stockpiling of Material	
3300	Mass Earthworks	
3400	Pavement Layers of Gravel Material	
3500	Stabilization	
4100	Prime	
4200	Asphalt	
5200	Gabions	
5400	Guardrails	
5600	Road Signs	
5700	Road Markings	
5900	Finishing the Road and Road Reserve and treating old roads	
8100	Testing Materials and Workmanship	
TOTAL SCHEDULE A:		
Subtotal		
Add VAT (15%)		
TENDER (CONTRACT) SUM (INCL. VAT)		

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/032

ITEM	DESCRIPTION	UNIT	RATE	QUANTITY	AMOUNT
C	ENVIRONMENTAL MANAGEMENT PLAN				
B100.01	Penalty for unnecessary removal of damage to trees for the following diameter sizes:				
	(a) 2600mm girth or less	No	-5,000.00	Rate Only	
	(b) Greater than 2600mm, but less than 6180mm girth	No	-10,000.00	Rate Only	
	(c) Greater than 6180mm girth	No	-30,000.00	Rate Only	
B100.02	Penalty for serious violations				
	(a) Hazardous chemical/oil spill and/or dumping in non-approved sites	No	-10,000.00	Rate Only	
	(b) General damage to sensitive environments	No	-5,000.00	Rate Only	
	(c) Damage to cultural and historical sites	No	-5,000.00	Rate Only	
	(d) Pollution of water sources	No	-10,000.00	Rate Only	
	(e) Unauthorised blasting activities	No	-5,000.00	Rate Only	
	(f) Uncontrolled/unmanaged erosion per incident, depending on environment impacts, plus rehabilitation at contractor's cost	No	-1,000.00	Rate Only	
B100.03	Penalty for less serious violations				
	(a) Littering on site	No	-1,000.00	Rate Only	
	(b) Lighting of illegal fires on site	No	-1,000.00	Rate Only	
	(c) Persistent or un-repaired fuel and oil leaks	No	-1,000.00	Rate Only	
	(d) Excess dust of excess noise emanating from site	No	-1,000.00	Rate Only	
	(e) Dumping of milled material in side drains or on grassed areas	No	-1,000.00	Rate Only	
	(f) Possession or use of intoxicating substances on site	No	-500.00	Rate Only	
	(g) Any vehicles being driven in excess of designated speed limits	No	-500.00	Rate Only	
B	TOTAL CARRIED TO SUMMARY				

CONTRACT No: LIM473/MADIBONG-INTERNAL/24/25/032

ITEM	DESCRIPTION	UNIT	RATE	QUANTITY	AMOUNT
	AMOUNT BROUGHT FORWARD				
	(h) Removal and/or damage to flora or cultural or heritage objects on site, and/or killing of wild life	No	-2,000.00	Rate Only	
	(i) Illegal hunting	No	-2,000.00	Rate Only	
	(j) Urination and defecation anywhere except in designated areas	No	-500.00	Rate Only	
B	TOTAL CARRIED TO SUMMARY				