



**BID NO.: INF-W33/2024/2025**

**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GA-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**

**DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION A : PRELIMINARY AND GENERAL**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>A</b>	<b>SANS 1200A</b>	<b><u>SECTION A: PRELIMINARY &amp; GENERAL</u></b>				
<b>A.1</b>	<b>PS A 8.3</b>	<b>FIXED-CHARGE ITEMS</b>				
A.1.1	PSA 8.3.1	Contractual Requirements	Sum	1.0		
<b>A.1.2</b>	<b>PSA 8.3.2</b>	<b>Establish Facilities on the Site :</b>				
	<b>PSA 8.3.2.1</b>	<b>Facilities for Engineer</b>				
A.1.2.1		a) Furnished Office (PSAB 3.2)	Sum	1.0		
A.1.2.2		b) Telephone	Sum	1.0		
A.1.2.3		c) Nameboards (PS AB 3.2)	Sum	1.0		
<b>A.1.3</b>	<b>PSA 8.3.2.2</b>	<b>Facilities for Contractor</b>				
A.1.3.1		a) Offices and storage sheds	Sum	1.0		
A.1.3.2		b) Workshops	Sum	1.0		
A.1.3.3		e) Ablution and latrine facilities	Sum	1.0		
A.1.3.4		f) Tools and equipment	Sum	1.0		
A.1.3.5		g) Water supplies, electric power and communications	Sum	1.0		
A.1.3.6		h) Dealing with water (Subclause 5.5)	Sum	1.0		
A.1.3.7		i) Access (Subclause 5.8)	Sum	1.0		
A.1.3.8		j) Plant	Sum	1.0		
A.1.3.9	PS A 8.3.3	Other Fixed-Charge Obligations	Sum	1.0		
A.1.3.10	PSA 8.3.4	Removal of Site Establishment	Sum	1.0		
<b>A.1.4</b>	<b>PSA B 8.3.5</b>	<b>Occupational Health And Safety</b>				
A.1.4.1	PSA B 8.3.5.1	Contractor's initial obligations in respect of the Occupation Health and Safety Act and Contractual Regulations	P/ Sum	1.0	R 99 000.00	R 99 000.00
A.1.4.2	PSA B 8.3.5.2	Overheads, charges and profit on item above.	%		R 99 000.00	
<b>SUB-TOTAL CARRIED FORWARD</b>						



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ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>A.2</b>	<b>PS A 8.4</b>	<b>SCHEDULED TIME RELATED ITEMS</b>				
<b>A.2.1</b>	<b>SANS 1200 AB</b>	<b>Engineer's Office</b>				
A.2.1.1	PSAB 8.2.2(a)	Office buildings	Sum	1		
A.2.1.2	PSAB 8.2.2(b)	Telephone and fax	Sum	1		
A.2.1.3	PSAB 8.2.2(d)	Survey assistance and equipment	Sum	1		
<b>A.2.2</b>	<b>PSA 8.4.2.2</b>	<b>Facilities for Contractor</b>				
A.2.2.1		a) Offices and storage sheds	Month	8.0		
A.2.2.2		b) Workshops	Month	8.0		
A.2.2.3		e) Ablution and latrine facilities	Month	8.0		
A.2.2.4		f) Tools and equipment	Month	8.0		
A.2.2.5		g) Water supplies, electric power and communications	Month	8.0		
A.2.2.6		h) Dealing with water (Subclause 5.5)	Month	8.0		
A.2.2.7		i) Access (Subclause 5.8)	Month	8.0		
A.2.2.8		j) Plant	Month	8.0		
A.2.2.9	PSA 8.4.3	Supervision for Duration of Construction	Month	8.0		
A.2.2.10	PSA 8.4.4	Company and Head Office Overhead Cost/s for the Duration of the Contract	Month	8.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION A : PRELIMINARY AND GENERAL**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>A.3</b>	<b>PS A 8.5</b>	<b>SUMS STATED PROVISIONALLY BY ENGINEER</b>				
A.3.1		(a) Community Liaison Officer	P/Sum	1.0	R 36 000.00	R 36 000.00
A.3.2		(b) PSC (x10) Meetings Attendance	P/Sum	1.0	R 12 000.00	R 12 000.00
A.3.3		(c) Overheads, charges and profit on (a) & (b) above	%		R 48 000.00	
A.3.4		(d)1 Training	P/Sum	1.0	R 100 000.00	R 100 000.00
A.3.5		(e) Overheads, charges and profit on (d) above	%		R 100 000.00	
A.3.6		(f) Relocation and repair to existing Services	P/Sum	1.0	R 50 000.00	R 50 000.00
A.3.7		(g) Overheads, charges and profit on (f) above	%		R 50 000.00	
A.3.8		h) Supply and installation of telemetry System	Prov Sum	1.0	R 300 000.00	R 300 000.00
A.3.9		(i) Overheads, charges and profit on (f) above	%		R 300 000.00	
<b>Material Testing</b>						
A.3.15		g)1 Acceptance testing of material and workmanship called for by the Engineer at a nominated laboratory.	P/Sum	1.0	R 50 000.00	R 50 000.00
A.3.16		Overheads, charges and profit on item above.	%		R 50 000.00	
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION B: SITE CLEARANCE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>B</b>		<b><u>SECTION B: SITE CLEARANCE</u></b>				
<b>B.1</b>	<b>SANS 1200C</b>	<b>SITE CLEARANCE</b>				
<b>B.1.1</b>	<b>8.2.1 and PSC 8.2.1</b>	<b>Clear and grub site for:</b>				
B.1.1.1		Access road (6m wide)	m	700.0		
B.1.1.2		Reservoir platform site	m <sup>2</sup>	5 000.0		
<b>B.1.2</b>	<b>PS C 8.2.2</b>	<b>Remove and grub large trees and tree stumps of girth :</b>				
B.1.2.1		a) over 1 m and up to and including 2 m	No.	20.0		
<b>B.1.3</b>		<b>Demolish and remove existing structures, reinstate or remove to dump site as per project specification:</b>				
B.1.3.1	PSC 8.2.5	Take down existing fences where directed by the Engineer	m			
<b>B.1.4</b>		<b>Top Soil Removal</b>				
	8.3.1.2	Remove topsoil to nominal depth 150mm, stockpile and maintain				
B.1.4.1		1) Along access road routes 6m wide	m <sup>2</sup>	6 804.0		
B.1.4.2		2) Along platform site	m <sup>2</sup>	5 000.0		
<b>B.1.5</b>		<b>Finishings</b>				
B.1.5.1	8.3.10	Topsoiling	m <sup>3</sup>	1 633.0		
B.1.5.2		Grassing of embankments and platform by means of hydroseeding	m <sup>2</sup>	3 061.0		
<b>B.1.6</b>		<b>ERECTING NEW FENCE</b>				
B.1.6.1	55.01	Cleaning the fence line 2m wide strip	m	250.0		
	55.02	Supply and erect new fencing material for anti-climb ClearVu fence with barbed wire around the reservoir platform with a height of 2.4m (See drawing: ):				
B.1.6.2	55.02 a)	Supply and install complete anti-climb Clearvu fence or steel palisade fence	m	250.0		
B.1.6.3	55.02 b)	Supply and install complete 5m vehicle access sliding steel ClearVu gate	No	1.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION B: SITE CLEARANCE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
B.1.7		<b>STRUCTURES</b>				
		<b>Executive office Container with 2x table and 2x Chairs</b>				
B.1.7.1		14.64 m2 Executive Office containers with a Steel window with burglar guards + aluminium blind, Prep & painted outside – Grey Steel Door (Single) with 3 Lever Lock exterior and a Fully Insulated, Black Rubberised Flooring electrical points (Light switch, Double LED Light, Double point plug, Electrical joint) and 12000BTU Split Air-conditioning installed with Isolator interior	Sum	1.0		
		<b>Guard House (3m x3m)</b>				
B.1.7.3		Supply and installation of 9m2 Wooden/container guard house (9m2) with still window with burglar and aluminium blind, single door with 3 lever lock, fully insulated black rubberised flooring, electrical points and 120000BTU split Air-Conditioning installed with isolator	No	1.0		
B.1.7.4		Supply of a 12m/40ft container for storage	Sum	1.0		
B.1.7.5		25mpa reinforced 750mm (min) width Concrete apron for the above structures	m <sup>3</sup>	5.0		
B.1.7.6		Slab Strength concrete, Grade 30MPa:	m <sup>3</sup>	10.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION C: PLATFORM**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>C</b>		<b><u>SECTION C: PLATFORM</u></b>				
<b>C.1</b>	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
<b>C.1.1</b>		<b>Bulk Excavation</b>				
	8.3.2,a)	Excavate in all materials for use for				
C.1.1.1		Gravel material compacted to 90% of modified AASHTO maximum density (in layers of 150mm to 300mm)	m <sup>3</sup>	2000.0		
	8.3.2,b)	Extra-Over for				
C.1.1.2		1) Hard/Rock excavation	m <sup>3</sup>	1500.0		
	8.3.7	Cut to Spoil				
C.1.1.3		2) Hard/Rock excavation	m <sup>3</sup>	1500.0		
<b>C.1.2</b>	<b>PSDB 8.3.3</b>	<b><u>EXCAVATION ANCILLARIES</u></b>				
C.1.2.1	<b>PSDB 8.3.3.1</b>	<b>Make up deficiency in backfill material</b>				
C.1.2.2		a) from other necessary excavations on site	m <sup>3</sup>	500.0		
C.1.2.3		c) by importation from commercial or off-site sources selected by the Contractor	m <sup>3</sup>	1 000.0		
<b>C.1.3</b>	<b>SANS 1200 DM</b>	<b>Bulk Eartworks</b>				
C.1.3.1	<b>8.3.3</b>	<b>Treatment of platform bed, preparation and compaction of material to:</b>				
C.1.3.2		Minimum of 90% of modified AASHTO maximum density (100% for sand)	m <sup>3</sup>	750.0		
C.1.3.3		In-place treatment of road-bed in intermediate or hard material:				
		a) Ripping	m <sup>3</sup>	750.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION C: PLATFORM**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>C.1.4</b>		<b>INTERNAL ROAD AND PARKINGS</b>				
C.1.4.1	<b>8.3.3</b>	<b>Treatment of road bed, preparation and compaction of material to:</b>				
C.1.4.2		Minimum of 90% of modified AASHTO maximum density (100% for sand)	m <sup>3</sup>	500.0		
<b>C.1.5</b>	<b>SANS 1200 ME</b>	<b>SUBBASE</b>				
C.1.5.1	8.3.3	Construct subbase course with material from commercial sources:				
		C4 material with 3% cement compacted to 95% of modified AASHTO maximum density (in layers of 150mm)	m <sup>3</sup>	100.0		
C.1.5.2	8.3.8	Stabilising agent				
		3% CEM V/B 32.5N cement	t	4.3		
<b>C.1.6</b>	<b>SANS 1200 MF</b>	<b>BASE</b>				
	8.3.3	<b>Construct base with material from commercial sources or designated borrow pits:</b>				
C.1.6.1		Selected layer G7/G6 material compacted to 93 % of modified AASHTO maximum density (in layers of 150mm)	m <sup>3</sup>	500.0		
<b>C.1.7</b>	<b>SANS 1200 MJ</b>	<b>Segmented paving -Parking</b>				
C.1.7.1	8.2.1	Provision of Kerb Edge Restraints for the internal parking lots and roads	m			Rate Only
C.1.7.2	8.2.2	25MPa 60mm interlock paver for parking lots and 5m from the reservoir apron	m <sup>2</sup>			Rate Only
C.1.7.3	8.2.3	Cutting units to fit edge restraints	m			Rate Only
C.1.7.4		Compacted bedding sand of 20mm compacted	m <sup>3</sup>			Rate Only
<b>C.1.8</b>		Earth Berm from excavated material (see Layout drawing)	m <sup>3</sup>			Rate Only
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GA-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)  
CAPRICORN DISTRICT MUNICIPALITY**

**BID NO.: INF-W33/2024/2025  
SCHEDULE OF QUANTITIES SECTION D:  
PACKAGE TREATMENT PLANT**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
D		<b><u>SECTION D: PACKAGE TREATMENT PLANT</u></b>				
D.1		Process Design based on water quality results (Refer to clause PS 11.12). Design, Supply, assemble, installation of all units and mechanical equipment complete with housing .	Sum	1.0		
D.1.3		Design, supply and installation of electrical and mechanical complete with accessories	Sum	1.0		
	<b>SABS 1200GA</b>	<b>CONCRETE (Small works)</b>				
D.6		<b>FORMWORK</b>				
		smooth		.		
D.6.1		a) Vertical to floor slab	m <sup>2</sup>	20.0		
		b) Float	m <sup>2</sup>	330.0		
D.7		<b>REINFORCEMENT</b>				
D.7.1		High-tensile welded mesh of:				
	8.3.1	(i) Ref 395	t	1.5		
D.8		<b>CONCRETE</b>				
		Blinding Layer				
D.8.1		Blinding layers in class 15/19 concrete, each 50 mm thick, steel trowelled finish	m <sup>2</sup>	330.0		
		Package treatment plant floor slab				
D.8.2		Package treatment plant floor slab Strength concrete, Grade 30MPa	m <sup>2</sup>	15.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GA-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)  
CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION E: 300KL RAW WATER AND 300KI COMMAND STORAGE TANKS/RESERVOIRS**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
E.1	SANS 1200 G	<b>SECTION E: 300KL COMMAND AND RAW WATER RESERVOIR</b> <b>CONCRETE (STRUCTURAL)</b>				
E.1.1	8.2	<b>SCHEDULED FORMWORK ITEMS</b>				
	8.2.1	<b>Rough</b>				
E.1.1.1		a) Rough vertical plane to curved Reservoir wall, outside footing below ground	m <sup>2</sup>			Rate only
		b) Vertical plane to overflow pipe base	m <sup>2</sup>			Rate only
	8.2.2	<b>Smooth</b>				
E.1.1.2		a) Vertical plane to curved walls above ground level (Inside & outside)	m <sup>2</sup>			Rate only
E.1.1.3		b) Horizontal plane to roof slab soffit	m <sup>2</sup>			Rate only
E.1.1.4		c) Vertical plane to up stand beam around roof slab	m <sup>2</sup>			Rate only
E.1.1.5		d) Inclined plane to form shear cone at column heads	m <sup>2</sup>			Rate only
E.1.1.6		e) Circular vertical plane to 300 mm diameter columns	m <sup>2</sup>			Rate only
E.1.1.7		f) Vertical plane to column bases	m <sup>2</sup>			Rate only
E.1.1.8	8.2.5	<b>Narrow Widths (up to 300 mm wide)</b>				
E.1.1.9		a) To floor slabs	m			Rate only
E.1.1.10		b) To strip footings in curved plan	m			Rate only
E.1.1.11		c) Form 25 mm x 25 mm fillets around all exposed edges of edge beams & bases	m			Rate only
E.1.1.12		d) To upstand beams -narrow width	m			Rate only
E.1.2	8.3	<b>SCHEDULED REINFORCEMENT ITEMS</b>				
E.1.2.1	8.3.1	a) High tensile steel bars	t			Rate only
E.1.2.2		b) Mild steel bars	t			Rate only
E.1.2.3		c) Mesh ref 395	t			Rate only
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION E: 300KL RAW WATER AND 300KI COMMAND STORAGE TANKS/RESERVOIRS**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>E.1.3</b>	<b>8.4</b>	<b>SCHEDULED CONCRETE ITEMS</b>				Rate only
E.1.3.1	8.4.2	(i) Blinding layers in class 15/19 concrete, each 50 mm thick, steel trowelled finish	m <sup>2</sup>			Rate only
E.1.3.2		(ii) No fines concrete drainage layer including thickening around geopipes	m <sup>3</sup>			Rate only
<b>E.1.3.3</b>	<b>8.4.3</b>	<b>Strength Concrete</b>				
E.1.3.4		b) Grade 25/19 concrete for apron and V-drain	m <sup>3</sup>			Rate only
E.1.3.5		c) Grade 35/19 in reservoir				
E.1.3.6		i) To column and wall footings	m <sup>3</sup>			Rate only
E.1.3.7		ii) Reservoir floor slab	m <sup>3</sup>			Rate only
E.1.3.8		iii) To Reservoir walls & buttress	m <sup>3</sup>			Rate only
E.1.3.9		iv) To internal columns and column heads (shear cones)	m <sup>3</sup>			Rate only
E.1.3.10		v) To reservoir roof slab	m <sup>3</sup>			Rate only
E.1.3.11		vi) To up stand beam around roof	m <sup>3</sup>			Rate only
		vii) To encasing overflow pipe	m <sup>3</sup>			Rate Only
<b>E.1.3.12</b>	<b>8.4.4</b>	<b>Unformed surface finishes</b>				
E.1.3.13		a) Wood-floated finish				
E.1.3.14		i) To top of concrete	m <sup>2</sup>			Rate only
E.1.3.15		b) Steel-floated finish				
E.1.3.16		i) To top of foundation inside reservoir and strip footing	m <sup>2</sup>			Rate only
E.1.3.17		ii) To reservoir floor	m <sup>2</sup>			Rate only
E.1.3.18		iii) To reservoir roof	m <sup>2</sup>			Rate only
E.1.3.19		iv) To top of reservoir wall	m <sup>2</sup>			Rate only
E.1.3.20		v) To top of roof up stand	m <sup>2</sup>			Rate only
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION E: 300KL RAW WATER AND 300KI COMMAND STORAGE TANKS/RESERVOIRS**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
<i>brought forward</i>							
<b>E.1.3.21</b>	<b>8.5</b>	<b>Joints</b>					
E.1.3.22		a) Wall construction joint	m			Rate only	
E.1.3.23		b) Joints between floor panels with 250 mm wide bandage and complete as detailed on the drawing with stainless steel 50 mm x 2 mm and dowels	m			Rate only	
E.1.3.24		c) Joints between floor and wall complete as detailed on the drawings with stainless steel (50 mm x 2 mm) and dowels	m			Rate only	
E.1.3.25		d) Joint between wall footing and apron slab as detailed on drawing and	m			Rate only	
E.1.3.26		e) Joint between apron slab and V-drain as detailed on drawing and	m			Rate only	
E.1.3.27		f) Joints in apron slab at m centre as detailed on drawing and	m			Rate only	
E.1.3.28		g) Joints in V-drain at m centres as detailed on drawing and	m			Rate only	
<b>E.1.4</b>			<b>Miscellaneous</b>				
E.1.4.1		Testing for watertightness	Sum			Rate only	
E.1.4.2	Cleansing and disinfection	Sum			Rate only		
E.1.4.3	Supply and install under entire reservoir 1 No layers of 250µm DPC as per details on drawing	m <sup>2</sup>			Rate only		
E.1.4.4	Supply and install roof Thermo insulation as detailed on drawings	m <sup>2</sup>			Rate only		
E.1.4.5	Supply and install:						
E.1.4.6	(i) 110 mm diameter perforated drain pipe protected with U44 Bidim circular in plan	m			Rate only		
E.1.4.7	(ii) 80mm diameter perforated pipe protected with U44 Bidim	m			Rate only		
E.1.4.8	Supply and install geofabric layer, U44 Bidim, between no fines concrete drainage layer and 50mm thick blinding layer	m <sup>2</sup>			Rate only		
E.1.4.9	Construct manholes for sub surface drainage as detailed on drawings	No.			Rate only		
<b>SUB-TOTAL CARRIED FORWARD</b>							



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ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
E.1.4.10		Supply and install Limitgliss bearing strip between wall and roof	m			Rate only
E.1.4.11		Supply and install roof weepholes as per drawings	No.			Rate only
<b>E.2</b>		<b>STRUCTURAL STEELWORK (SUNDRY ITEMS)</b>				
E.2.1		a) Manhole cover and frame for reservoir access complete with locking bar and lock	No.			Rate only
E.2.2		b) Supply and install hot dipped galvanised roof ventilators to the reservoir roof	No.			Rate only
E.2.3		c) Internal ladder to reservoir installed completely	No.			Rate only
E.2.4		d) External ladder to reservoir installed completely	No.			Rate only
E.2.5		Leveldex Control Valve	No.			Rate only
<b>E.2.6</b>	<b>SANS 1200 LB</b>	<b>BEDDING (PIPES)</b>				
	8.2.2.3	Provision of bedding from commercial sources				
		a) Selected granular material	m <sup>3</sup>			Rate only
<b>E.2.6</b>	<b>SANS 1200 LC</b>	<b>CABLE DUCTS</b>				
E.2.7	8.2.2	Excavate in all materials for trenches, backfill, compact, and dispose of surplus	m			Rate only
<b>SUB-TOTAL CARRIED FORWARD</b>						



**BID NO.: INF-W33/2024/2025**

**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION E: 300KL RAW WATER AND 300KI COMMAND STORAGE TANKS/RESERVOIRS**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
E.2.8		Kabelflex 110mm Cable Ducts	m			Rate only
E.2.9	8.2.7	Draw Pits/ Manholes	No.			Rate only
<b>E.2.9</b>		<b>RESERVOIR PIPING</b>				
<b>E.3</b>		<b>CIRCULAR STORAGE STEEL TANKS</b>				
		Supply, assembly, installation including transportation and commissioning of 300KL storage tank complete with:				
		•Inlet Nozzle, Side, Internal Deflector, External Flange - 200NB				
		•Outlet Nozzle, Side, Internal AV Standard, External Flange - 200NB				
		•Overflow, Internal Bellmouth, External Downpipe Flange - 200NB				
E.3.1		•Tank Access, Fixed (Ladders, Platform, Hatch)	Pc Sum	2.00		
		•Water Level Indicator, Mechanical, Half Height				
		•Dump Drain Nozzle, Side, External Deflector - 150NB				
		•Butterfly Valve, Geared - 150NB				
		•Level Control Valve				
		•Ventilator, Static - 76mm				
E.3.2		Concrete Ring Beam to suit the 300 kl tank above (see Dwg:W74-20/21-PH3-W-D005):				
E.3.2.1		a) Stirrup R-10 (SANS 282: 2011, Shape Code 72)	t	0.1		
E.3.2.2		b) High yield reinforcement bar Y-12 (6.5 m lengths)	t	0.4		
E.3.2.3		c) 25 Mpa Concrete	m <sup>3</sup>	11		
E.3.2.4		d) Internnally compacted sand bed of 100 mm deep for above steel tank	m <sup>3</sup>	17		
E.3.2.5		e) Aggregates	m <sup>3</sup>	1.5		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
F		<b><u>SECTION F: STEEL PIPELINE</u></b>				
F.1	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
F.1.1		<b>Excavation (Valve chambers)</b>				
		Earthworks for valve chambers and structures				
		Topsoil measured in "Section B Site Clearance"				
F.1.1.1		Excavate in all materials and use for backfill or dispose(big valve chambers)	m <sup>3</sup>	244.0		
F.1.1.2		Excavate in all materials and use for backfill or dispose(small valve chambers)	m <sup>3</sup>	27.0		
F.1.2	PSDB 8.3.2(b)	<b>Extra-over item (a) above for:</b>				
F.1.2.1		1) Hard Rock Excavations	m <sup>3</sup>	100.0		
F.1.2.5		2.) Hand excavation and backfill where ordered by the engineer	m <sup>3</sup>	32.0		
F.1.3		<b>Importing of backfill material from a commercial source</b>				
F.1.3.1		1) Selected fill material	m <sup>3</sup>	192.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>F.1.4</b>	PSDB 8.3.2(a)	<b>EARTHWORKS (Pipe trenches) - STEELPIPE</b>				
		Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: up to 200 mm in diameter for total trench depth: Exceeding but not exceeding				
F.1.4.1		0,0 m                      1,0 m	m			Rate Only
F.1.4.2		1,0 m                      2,0 m	m	63.0		
F.1.4.3	2,0 m                      3,0 m	m			Rate Only	
<b>F.1.5</b>	PSDB 8.3.2(b)	Extra-over item (a) above for:				
F.1.5.1		1) Hard/Rock Excavations	m <sup>3</sup>	75.0		
F.1.5.5		2. Hand excavation and backfill where ordered by the engineer	m <sup>3</sup>	13.0		
F.1.5.6	8.3.7	Cut to Spoil				
F.1.5.7		1) Hard/Rock Excavations	m <sup>3</sup>	75.0		
<b>F.2</b>	<b>SANS 1200 LB</b>	<b>BEDDING ( PIPES)</b>				
<b>F.2.1</b>	<b>PSLB 8.1.1</b>	<b>Provision of Bedding from Trench Excavation</b>				
F.2.1.1		a) Selected granular material	m <sup>3</sup>	22.0		
F.2.1.2		b) Selected fill material	m <sup>3</sup>	77.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>F.2.2</b>	<b>PSLD 8.1.1</b>	<b>From commercial sources</b>				
F.2.2.1		a) Selected granular material	m <sup>3</sup>	10.0		
F.2.2.2		b) Selected fill material	m <sup>3</sup>	30.0		
<b>F.3</b>	<b>SANS 1200L</b>	<b><u>MEDIUM PRESSURE PIPELINES</u></b>				
	<b>8.2.1</b>	<b>Supply, Lay and Bed Pipes complete with couplings</b>				
<b>F.3.1</b>	<b>PSL 8.2.1.2</b>	<b>Supply, Lay, Joining, Bedding, Testing and Disinfection of Hot-Dipped Steel Pipes with the following diameters:</b>				
F.3.1.1		32 mm	m	5.0		
F.3.1.2		80 mm	m	30.0		
F.3.1.3		100	m	17.0		
F.3.1.4		150	m	12.0		
<b>F.4</b>		<b><u>CHAMBER FITTINGS</u></b>				
<b>F.4.1</b>		Supply pipe specials complete with protection and install the following isolation valve chamber fittings:				
F.4.1.1		150Ø x4.5mm THICK x 1590 mm LONG STEEL FLANGED BOTH ENDS TO SANS 1123 - 2500/3..(Item 12)	No	2.0		
F.4.1.2		150Ø x4.5mm THICK x 1385 mm LONG STEEL FLANGED BOTH ENDS TO SANS 1123 - 2500/3..(Item 16)	No	2.0		
F.4.1.3		150Ø x 950 mm LONG STEEL PIPE 4.5mm THICK WITH PUDDLE FLANGE. BOTH ENDS FLANGED TO SANS 1123 - 2500/3 (Item 1)	No	4.0		
F.4.1.4		150Ø x4.5mm THICK x 815 mm LONG STEEL FLANGED BOTH ENDS TO SANS 1123 - 2500/3. (Item 14)	No	2.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
F.4.1.5		150Ø x4.5mm THICK x 315 mm LONG STEEL FLANGED BOTH ENDS TO SANS 1123 - 2500/3.(Item 5)	No	2.0		
F.4.1.6		150Ø x4.5mm THICK x 200 mm LONG STEEL FLANGED BOTH ENDS TO SANS 1123 - 2500/3.(Item 3)	No	8.0		
<b>F.4.2</b>		Valves:				
F.4.2.2		150 mm sluice valve, flanged (Item 2)	No	5.0		
F.4.2.3		80 mm sluice valve, flanged (Item 18)	No	1.0		
F.4.2.4		150 mm altitude level control valve, flanged (Item 7)	No	2.0		
F.4.2.5		150 mm non return valve, flanged (Item 8)	No	2.0		
<b>F.4.3</b>		Water meter:				
F.4.3.1		150 mm water meter, flanged (Item 6)	No	2.0		
<b>F.4.4</b>		Strainer:				
F.4.4.1		150 mm strainer, flanged (Item 4)	No	2.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
F.3.2	PSL 8.2.2.1	<b>Extra-over 8.2.1.2 for the Supplying, Laying, and Bedding of Specials Complete with Couplings for Steel pipes and adaptors to PVC</b>				
F.3.2.1		90° elbows: 150 mm	No	7.0		
F.3.2.3		Galvanised Flanged adaptors 80Ø Flange Adaptor (PN16) Flanged to SANS 1123	No	1.0		
F.3.2.4		100Ø Flange Adaptor (PN16) Flanged to SANS 1123	No	1.0		
F.3.2.5		150Ø Flange Adaptor (PN16) Flanged to SANS 1123	No	1.0		
F.3.2.6		Galvanised Flanged Reducers 150Ø x 100Ø REDUCER WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3.	No	2.0		
F.3.2.7		150 Ø x 80Ø REDUCER WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3.	No	2.0		
F.3.2.8		45° elbows: 150 mm	No	2.0		
		Tee: 150Ø mm	No	1.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA RURAL WATER  
SUPPLY (SOUTH CLUSTER RESERVOIR)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION F: STEEL PIPELINE**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>F.4</b>	<b>SABS 1200GA</b>	<b>CONCRETE (Small works)</b>				
		<b>FORMWORK</b>				
		Rough:		.		
F.4.1.1		Vertical to chamber floor slab	m <sup>2</sup>	6.5		
F.4.2	PSGA 8.2.5	Sumps in:				
F.4.2.1		Valve chamber	No	2.0		
<b>F.5</b>		<b>REINFORCEMENT</b>				
F.5.1		High-tensile welded mesh of:				
		Density 3.95 kg/m2:				
F.5.1.1		Valve Chambers floor slab (Ref.395)	m <sup>2</sup>	35.0		
<b>F.6</b>		<b>CONCRETE</b>				
F.6.1		Blinding layer in 15MPa concrete, 50mm thick				
F.6.1.1		Valve chambers	m <sup>2</sup>	37.0		
		Strength concrete, Grade 25MPa:				
F.6.1.2		Valve chamber floor slab	m <sup>3</sup>	13.0		
		Anchor/Thrust blocks				
		Concrete class 20MPa	m <sup>3</sup>	10.0		
		<b>PRECAST ELEMENTS</b>				
		Valve chambers :				
		Supply and install/construct precast valve chamber, complete, as per drawing	No	2.0		
		1.8 m dia x 1 m Precast circular concrete chambers, cover and base	No	2.0		
		Anchor/Thrust blocks				
		Concrete class 20MPa	m <sup>3</sup>	10.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION G: MEDIUM-PRESSURE PIPELINES**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>G</b>		<b><u>SECTION G: MEDIUM-PRESSURE PIPELINES</u></b>				
<b>G.1</b>	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
<b>G.1.1</b>	<b>PSDB 8.3.2</b>	<b>Excavation</b>				
	<b>PSDB 8.3.2(a)</b>	Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: up to 200 mm in diameter for total trench depth: Exceeding but not exceeding				
G.1.1.1		0,0 m            1,0 m	m			Rate Only
G.1.1.2		1,0 m            2,0 m	m	115.0		
G.1.1.3		2,0 m            3,0 m	m			Rate Only
<b>G.1.2</b>	<b>PSDB 8.3.2(b)</b>	<b>Extra-over item (a) above for:</b>				
G.1.2.1		1) Intermediate Excavations	m <sup>3</sup>			Rate Only
G.1.2.2		2) Hard Excavations	m <sup>3</sup>			Rate Only
G.1.2.3		3) Rock Excavations	m <sup>3</sup>	210.0		
G.1.2.4		4) Boulder Excavation	m <sup>3</sup>			Rate Only
G.1.2.5		4. Hand excavation and backfill where ordered by the engineer	m <sup>3</sup>	20.0		
<b>G.1.3</b>	<b>8.3.7</b>	<b>Cut to Spoil</b>				
G.1.3.1		2) Hard rock excavation	m <sup>3</sup>			Rate Only
G.1.3.2		3) Boulder excavation, Class A	m <sup>3</sup>			Rate Only
G.1.3.3		4) Boulder excavation, Class B	m <sup>3</sup>			Rate Only
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GA-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION G: MEDIUM-PRESSURE PIPELINES**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>G.2</b>	<b>SANS 1200 LB</b>	<b>BEDDING ( PIPES)</b>				
<b>G.2.1</b>	<b>PSLB 8.1.1</b>	<b>Provision of Bedding from Trench Excavation</b>				
G.2.1.1		a) Selected granular material	m <sup>3</sup>	50.0		
G.2.1.2		b) Selected fill material	m <sup>3</sup>	50.0		
<b>G.2.2</b>	<b>PSLB 8.1.2</b>	<b>Supply only of Bedding by Importation</b>				
G.2.2.1		a) Selected granular material	m <sup>3</sup>			Rate Only
G.2.2.2		b) Selected fill material	m <sup>3</sup>			Rate Only
<b>G.2.3</b>	<b>PSLB 8.1.4</b>	<b>From commercial sources</b>				
G.2.3.1		a) Selected granular material	m <sup>3</sup>	50.0		
G.2.3.2		b) Selected fill material	m <sup>3</sup>	80.0		
<b>G.3</b>	<b>SANS 1200L</b>	<b><u>MEDIUM PRESSURE PIPELINES</u></b>				
	<b>PSL 8.2.1</b>	<b>Supply, Lay and Bed Pipes complete with couplings</b>				
<b>G.3.1</b>	<b>PSL 8.2.1.1</b>	<b>Supply, Lay, Joining, Bedding, Testing and Disinfection of Upvc Class12 with the following diameters:</b>				
G.3.1.1		ND 32 mm	m	70.0		
G.3.1.2		ND 75 mm	m	20.0		
G.3.1.3		ND 110 mm	m	35.0		
G.3.1.4		ND 160 mm	m	10.0		
<b>G.3.2</b>	<b>PSL 8.2.2.2</b>	<b>Extra-over 8.2.1.1 for the Supplying, Laying, and Bedding of Specials Complete with Couplings for uPVC</b>				
		90° elbows:				
G.3.2.1		32 mm	No	5.0		
G.3.2.2		75 mm	No	5.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION G: MEDIUM-PRESSURE PIPELINES**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>G.3.3</b>	<b>PSL 8.2.3</b>	<b>Extra-over 8.2.1 for the supplying, fixing and bedding of valves</b>				
		Gate Valves				
G.3.3.1		32 mm Isolating valve	No	1.0		
G.3.3.2		75 mm Isolating valve	No	1.0		
		Supply and installation of water meter and control Valve				
G.3.3.3		ND 75 mm	No	1.0		
	<b>PSL 8.2.4</b>	Valve Chambers				
		Supply and installation of air valve				
G.3.3.4		160 mm air valve chamber	No	1.0		
		Supply and installation of gate valve chambers				
G.3.3.5		32 mm Isolating valve chamber	No	1.0		
G.3.3.6		75 mm Isolating valve chamber	No	1.0		
G.3.3.7		Supply and installation of pre-cast chambers for water meter and control valve	No	1.0		
G.3.3.8		Anchor/Thrust blocks				
G.3.3.9		Concrete class 20MPa	m <sup>3</sup>	15.0		
G.3.3.10		Supply of a 9m high elevated stand for a 5.25kl tank	No	1.0		
G.3.3.11		Supply of a 5.25kl water storage tank	No	1.0		
G.3.3.12		Construction of tank stand foundation	No	1.0		
G.3.3.13		Supply and installation of booster pump	No	1.0		
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION G: MEDIUM-PRESSURE PIPELINES**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
<b>G.4</b>	<b>SANS 1200 LF</b>	<b>Erf Connection</b>				
G.4.1	8.2.1	Providing erf connections in HDPE pipes and fittings)				
G.4.1.1		ND 32 mm HDPE pipes	No	2.0		
G.4.2	8.2.2	Supply, Lay, Disinfection, Installation and Testing of Erf Connections				
G.4.2.1		The laying of erf connections will be measured on slopes overall as laid	m	5.0		
G.4.2.2	8.2.6	Supply, install and test brass ball valve (ball-o-stop) complete with special fittings of 25 mm ND	No	2.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION I: STORMWATER**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
H		<b><u>SECTION H: STORMWATER</u></b>				
H.1	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
H.1.1	<b>8.3.2</b>	<b>Excavation</b>				
	8.3.2.a)	Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: up to 675 mm diam. for total depth				
H.1.1.1		Exceeding 0,50 m but not exceeding 1,0 m	m			Rate Only
H.1.1.4		Exceeding 2,5 m but not exceeding 3,0 m	m			Rate Only
H.1.1.5		Exceeding 3,0m but not exceeding 3,5 m	m			Rate Only
H.1.1.6		Exceeding 3,5 m but not exceeding 4,0 m	m			Rate Only
H.1.1.7		Exceeding 4,0 m but not exceeding 4,5 m	m			Rate Only
	8.3.2 (b)	Extra-over for (prov):				
H.1.1.8		Soft excavation	m <sup>3</sup>			Rate Only
H.1.1.9		Hard rock excavation	m <sup>3</sup>			Rate Only
H.1.1.10	8.3.2.c )	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m <sup>3</sup>			Rate Only
H.1.2		<b><u>EXCAVATION ANCILLARIES</u></b>				
H.1.2.1	<b>8.3.3.1</b>	<b>Make up deficiency in backfill material (Provisional)</b>				
H.1.2.2		a) from other necessary excavations on site	m <sup>3</sup>			Rate Only
H.1.2.3		b) by importation from designated borrow pit	m <sup>3</sup>			Rate Only
H.1.2.4		c) by importation from commercial or off-site sources selected by the Contractor	m <sup>3</sup>			Rate Only
<b>SUB-TOTAL CARRIED FORWARD</b>						



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**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GAMBAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**

**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION I: STORMWATER**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
H.1.2.5		(i) Construct a 1.2m wide earth channel, 150mm layers compacted to 100% of modified AASHTO density	m <sup>2</sup>	800.0		
<b>H.1.3</b>	<b>SANS 1200DK</b>	<b>GABIONS AND PITCHING</b>				
H.1.3.1	8.2.1	Surface preparation for bedding of gabions Cavities filled with approved excavated material or rock	m <sup>2</sup>			Rate Only
H.1.3.2	8.2.5	Stone pitching	m <sup>2</sup>			Rate Only
H.1.3.3		Erosion control blanket	m <sup>2</sup>			Rate Only
H.1.3.4		(a) Y12 hot dipped galvanised ground anchor pegs 1.5m in length	No			Rate Only
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



BID NO.: INF-W33/2024/2025

**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA  
RURAL WATER SUPPLY (SOUTH CLUSTER RESERVOIR COMPLEX)  
CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION J:SEWER  
NETWORKS**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
I	SANS 1200 LD	<b>SECTION I: SEWER NETWORKS</b>				
I.1	SANS 1200D	<b>BULK EARTHWORKS</b>				
I.1.1	PSDB 8.3.2	<b>Excavation</b>				
	8.2.3	Excavate in all materials for trenches, backfill & compact to 93% mod AASHTO				
		Between and over pipes, including disposal of surplus material. For depths : For				
I.1.1.1		0.000m to 1.0m	m			Rate Only
I.1.1.2		1.001m to 1.5m	m	95.00		
I.1.1.3		1.501m to 2.0m	m	15.00		
I.1.1.4		Import bedding and selected fill material from excavation on site	m <sup>3</sup>	454.00		
I.1.2	SANS 1200 LD	<b>SEWER PIPEWORK</b>				
I.1.2.1	8.2.1	Supply mains pipe, bed, lay, joint, supply bedding class B and fill blanket, test pipes with joints				
I.1.2.2		110 mm dia uPVC class 34 sewer pipe	m	110.00		
I.1.3	8.2.3	<b>MANHOLES</b>				
I.1.3.1		Complete with heavy duty concrete type cover with metal lip ring and frame - 1000mm Dia				
I.1.3.2		1.0m to 1.5m dia 1.05m	No	1.0		
I.1.3.3		1.5m to 2.0m dia 1.05m	No	1.0		
	SANS 1200 LB	<b>BEDDING ( PIPES)</b>				
	8.1.1	Provision of Bedding from Trench Excavation				
		a) Selected granular material	m <sup>3</sup>			Rate Only
		b) Selected fill material	m <sup>3</sup>			Rate Only
	8.1.4	From commercial sources				
		a) Selected granular material	m <sup>3</sup>	60.0		
		b) Selected fill material	m <sup>3</sup>	50.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



BID NO.: INF-W33/2024/2025

**GROOTPAN, SIAS, LONGDEN GA-RAMASWIKANA & GA-MMAMOLEKA  
RURAL WATER SUPPLY (SOUTH CLUSTER RESERVOIR COMPLEX)  
CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION J: WASTE  
WATER AND SLUDGE HANDLING**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
J		<b><u>SECTION J: SEPTIC TANK AND SOAK AWAY</u></b>				
J.1	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
J.1.1		<b>Bulk Excavation</b>				
J.1.1.1	8.3.2,a)	Excavate in all materials not exceeding 2,5m deep. Purpose of excavation is to accommodate a prefabricated septic tank and backfill	m <sup>3</sup>	30.00		
J.1.1.2	8.3.2,a)	Excavate in all materials not exceeding 2,5m deep. Purpose of excavation is to accommodate a soak away	m <sup>3</sup>	5.00		
J.1.1.3		Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98%	m <sup>3</sup>	20.00		
J.2.1		<b>Septic Tank</b>				
J.2.1.1		5000litres heavy duty plastic septic tank approved installed as per manufacturer's specifications including excavations, backfilling in 300mm layers and compacting to atleast 95% AASHTO and disposal of surplus material to a tip provided by the contractor (See product specification attached for details)	No	1.00		
J.2.1.2		1000x1000x1000mm deep brick manhole complete with 100mm thick mass concrete slab, 230mm brickwall in English Bond, benching, plastering, forming holes and ductile cast iron cover and frame size 420 x 345mm type HYDREX Z300x400C including excavations, backfilling in 300mm layersand compacting to atleast 95% AASHTO and disposal of surplus material to a tip provided by the contractor all complete including any associated works	No	1.00		
J.2.1.3		300 x 300mm bitem bag with for soak away	m <sup>2</sup>	5.00		
J.2.1.4		25mm stone for soak away	m <sup>3</sup>	10.00		
J.2		Supply, Installations of Sludge Drying Bed (100kl/Day Feed Flow Rate) ,(50m2 x3m depth)	Sum	1.00		
J.3		<b>Supply, Installations of Sludge Dam x 2,(900m2 x3m depth)</b>	Sum	2.00		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						



BID NO.: INF-W33/2024/2025

**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN G-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION K: PAVING**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
K		<b><u>SECTION K: Paving</u></b>				
K.1	<b>SANS 1200D</b>	<b><u>BULK EARTHWORKS</u></b>				
K.1.1		<b>Bulk Excavation</b>				
	8.3.2,a)	Excavate in all materials for use for embankment or backfill or dispose				
K.1.1.1		Gravel material compacted to 93 % of modified AASHTO maximum density (in layers of 150mm)	m <sup>3</sup>	1080.0		
K.1.1.2	8.3.2,b)	Extra-Over for				
K.1.1.3		1) Soft excavation	m <sup>3</sup>	455.0		
K.1.1.4		2) Hard rock excavation	m <sup>3</sup>	195.0		
K.1.1.7	8.3.7	Cut to Spoil				
K.1.1.8		2) Hard rock excavation	m <sup>3</sup>	195.0		
K.2.1	<b>SANS 1200DB</b>	<b>EXCAVATION ANCILLARIES</b>				
K.2.1.1	<b>8.3.3.1</b>	<b>Make up deficiency in backfill material</b>				
K.2.1.2		a) from other necessary excavations on site	m <sup>3</sup>	864.0		
K.2.1.3		c) by importation from commercial or off-site sources selected by the Contractor	m <sup>3</sup>	216.0		
K.2.1.4	<b>8.3.3</b>	<b>Treatment of road bed, preparation and compaction of material to:</b>				
K.2.1.5		Minimum of 90% of modified AASHTO maximum density				
		<b>In situ treatment of roadbed (G10):</b>				
		In situ treatment by ripping	m <sup>3</sup>	800.00		
<b>SUB-TOTAL CARRIED FORWARD</b>						



BID NO.: INF-W33/2024/2025

**CONSTRUCTION OF BULK & RETICULATION WATER SUPPLY IN GA-MMAMOLEKA (SOUTH CLUSTER RESERVOIR COMPLEX)**  
**CAPRICORN DISTRICT MUNICIPALITY SCHEDULE OF QUANTITIES SECTION K: PAVING**

ITEM NO	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<i>brought forward</i>						
K.3.1	SANS 1200 MF	<b>SUBBASE</b>				
	8.3.3	<b>Construct subbase with material from commercial sources or designated borrow pits:</b>				
K.3.1.1		Gravel material compacted to 95 % of modified AASHTO maximum density (in layers of 150mm)	m <sup>3</sup>	540.0		
K.4.1		<b>WEARING COURSE</b>				
		<b>Construct gravel wearing course with material from commercial sources or designated borrow pits:</b>				
K.4.1.1		Gravel material compacted to 98 % of modified AASHTO maximum density (in layers of 150mm)	m <sup>3</sup>	540.0		
<b>TOTAL CARRIED FORWARD TO SUMMARY</b>						

**CONTRACT NO. : W33/2024/2025  
SCHEDULE OF QUANTITIES  
SUMMARY OF BILL OF QUANTITIES**

Section	Description	AMOUNT	
		R	
A	Preliminary and General		
B	Site Clearance		
C	Platform and Parking		
D	Foundation Slab Package and Treatment Plant (including Mechanical & Eletrical works)		
E	300kl x (Raw Water and Command Reservoirs)		
F	Steel Pipeline		
G	Medium-Pressure Pipelines		
H	Stormwater		
I	Sewer Networks		
J	Waste Water and Sludge Handling		
K	Paving		
	<b>Subtotal 1</b>		
	Contingencies @ 10%		
	<b>Subtotal 2</b>		
	Vat @ 15%		
	<b>TOTAL GRAND TOTAL (VAT. INCL)</b>		

<p>.....</p> <p><b>SIGNATURE OF TENDERER</b></p> <p>.....</p>	<p>.....</p> <p><b>DATE</b></p> <p>.....</p>
<p>.....</p> <p><b>NAME OF TENDERER</b></p> <p>.....</p>	<p>.....</p> <p><b>DESIGNATION</b></p> <p>.....</p>