WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE A: PRELIMINARY AND GENERAL

NO	T T							Y AND GENERAL
SANS 1200 AB GENERAL	ITEM	LIC	PAYMENT	DESCRIPTION				
Al. 1 AB 1200 A	NO		G 4 N/G 1200	COMEDINE A DREW DOMARY AND	UNIT	QTY	RATE	AMOUNT R
1200 A 8,3 Fixed-Charge Items:								
Same				GENERAL				
A1.1 8.3.1 Contractual Requirements 8.3.2 Establish Facilities on the site for Engineer (PS AB 3.2) A1.2.1 8.3.2.1 a) Furnished offices (PS AB 3.2) B. Telephone, 3G Data Mobile Data Dongle (PS AB 4.1) C) Printer, Copier, Scanner d) Name boards (PS AB 3.1) A1.2.3 SANS 1200 AB 8.3.2.2 a) Offices and Storage sheds b) Workshops c) Laboratories d) Ablution and Latrine facilities c) Tools and Equipment f) Water supplies, Electrical power, Communication facilities g) Dealing with water h) Access i) Plant A1.3.9 d) Plant 8.3.4 Removal of site establishment on completion of works Sum 1 A1.3.8 Sum 1 A1.3.9 Sum 1 A1.3.9 Sum 1 A1.3.9 Sum 1 A1.3.10 Sum 1			1200 A					
A1.2.1 8.3.2 Establish Facilities on the site for Engineer (PS AB 3.2) A1.2.1 8.3.2.1 a) Furnished offices (PS AB 3.2) A1.2.2 b) Telephone, 3G Data Mobile Data Dongle (PS AB 4.1) C) Printer, Copier, Scanner A1.2.4 d) Name boards (PS AB 3.1) A1.3.1 SANS 1200 AB 8.3.2.2 a) Offices and Storage sheds D) Workshops C) Laboratories A1.3.3 c) Laboratories A1.3.4 d) Ablution and Latrine facilities C) Tools and Equipment D) Water supplies, Electrical power, Communication facilities C) Tools and Equipment D) Water supplies, Electrical power, Communication facilities D) Dealing with water D) Dealing with water D) Plant A1.3.9 b) Plant Sum 1 A1.3.9 c) Plant Sum 1	A1		8,3	Fixed-Charge Items:				
AB 3.2) AB 3.2) AB 3.2) a) Furnished offices (PS AB 3.2) b) Telephone, 3G Data Mobile Data Dongle (PS AB 4.1) c) Printer, Copier, Scanner d) Name boards (PS AB 3.1) No 2 A1.2.4 A1.3 SANS 1200 Facilities for Contractor AB 8.3.2.2 a) Offices and Storage sheds b) Workshops c) Laboratories A1.3.3 d) Ablution and Latrine facilities Sum 1 A1.3.5 e) Tools and Equipment Sum 1 A1.3.6 f) Water supplies, Electrical power, Communication facilities g) Dealing with water sum 1 A1.3.7 h) Access j) Plant A1.3.9 i) Plant Sum 1 Sum 1 Sum 1 Sum 1 A1.3.9 A1.3.10 S.3.4 Removal of site establishment on completion of works Sum 1	A1.1		8.3.1	Contractual Requirements	Sum	1		
A1.2.2 b) Telephone, 3G Data Mobile Data Dongle (PS AB 4.1) c) Printer, Copier, Scanner No 0 A1.2.4 d) Name boards (PS AB 3.1) No 2 A1.3.1 SANS 1200 AB 8.3.2.2 a) Offices and Storage sheds Sum 1 A1.3.2 b) Workshops Sum 1 A1.3.3 c) Laboratories Sum 1 A1.3.4 d) Ablution and Latrine facilities Sum 1 A1.3.5 c) Tools and Equipment Sum 1 A1.3.6 d) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 d) Dealing with water Sum 1 A1.3.8 h) Access Sum 1 A1.3.9 i) Plant Sum 1 A1.3.10 8.3.4 Removal of site establishment on completion of works Sum 1	A1.2		8.3.2					
A1.2.3 AB 4.1) c) Printer, Copier, Scanner d) Name boards (PS AB 3.1) No 2 A1.3.1 A1.3.2 A1.3.3 A1.3.3 A1.3.4 d) Ablution and Latrine facilities c) Tools and Equipment A1.3.5 d) Water supplies, Electrical power, Communication facilities g) Dealing with water A1.3.7 h) Access i) Plant A1.3.9 A1.3.10 A1.3.1	A1.2.1		8.3.2.1	a) Furnished offices (PS AB 3.2)	Sum	0		
A1.2.3 A1.2.4 A1.3.1 A1.3.1 A1.3.2 A1.3.3 A1.3.3 A1.3.4 A1.3.5 A1.3.5 A1.3.6 A1.3.6 A1.3.7 A1.3.7 A1.3.8 A1.3.8 A1.3.9 A1.3.9 A1.3.9 A1.3.1 C) Printer, Copier, Seanner A) No A1.3.1 A1.3.2 A1.3.3 C) Printer, Copier, Seanner A1.3.1 A1.3.4 A1.3.5 C) Laboratories A1.3.6 A1.3.6 A1.3.7 A1.3.7 A1.3.8 A1.3.8 A1.3.8 A1.3.9 A1.3.9 A1.3.9 A1.3.10 A1.3.10 A1.3.10 A1.3.10 A1.3.10 A1.3.4 A1.3.5 A1.3.7 A1.3.8 A1.3.9 A1.3.9 A1.3.9 A1.3.10 A1.3.10 A1.3.4 A1.3.5 A1.3.7 A1.3.8 A1.3.9 A1.3.9 A1.3.9 A1.3.10 A1.3.10	A1.2.2				Comme	0		
A1.2.4 A1.3. SANS 1200 AB 8.3.2.2 a) Offices and Storage sheds Sum 1 A1.3.3 b) Workshops Sum 1 c) Laboratories A1.3.4 d) Ablution and Latrine facilities Sum 1 A1.3.5 e) Tools and Equipment Sum 1 f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water h) Access i) Plant A1.3.9 A1.3.10 8.3.4 Removal of site establishment on completion of works Sum 1				AB 4.1)	Sum	U		
A1.3.1 SANS 1200 Facilities for Contractor A1.3.1 a) Offices and Storage sheds Sum 1 A1.3.2 b) Workshops Sum 1 A1.3.3 c) Laboratories Sum 1 A1.3.4 d) Ablution and Latrine facilities Sum 1 A1.3.5 e) Tools and Equipment Sum 1 A1.3.6 f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water Sum 1 A1.3.8 i) Plant Sum 1 A1.3.9 Sum 1 A1.3.9 Sum 1 A1.3.10 Sum 1 A1.3.10 Sum 1 A1.3.10 Sum 1	A1.2.3			c) Printer, Copier, Scanner	No	0		
A1.3.1 AB 8.3.2.2 a) Offices and Storage sheds b) Workshops C) Laboratories Sum C) Laboratories Sum I A1.3.4 A1.3.5 C) Tools and Equipment Sum I A1.3.6 f) Water supplies, Electrical power, Communication facilities Sum I A1.3.7 A1.3.8 A1.3.9 A1.3.9 A1.3.9 A1.3.10 S.3.4 Removal of site establishment on completion of works Sum I Su	A1.2.4			d) Name boards (PS AB 3.1)	No	2		
A1.3.2 b) Workshops c) Laboratories d) Ablution and Latrine facilities A1.3.5 e) Tools and Equipment Sum 1 f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water Sum 1 A1.3.8 h) Access Sum 1 A1.3.9 i) Plant Sum 1	A1.3			Facilities for Contractor				
A1.3.3 c) Laboratories d) Ablution and Latrine facilities sum 1 A1.3.5 e) Tools and Equipment f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water Sum 1 A1.3.8 h) Access i) Plant Sum 1 Sum 1 A1.3.9 A1.3.10 8.3.4 Removal of site establishment on completion of works Sum 1	A1.3.1			a) Offices and Storage sheds	Sum	1		
A1.3.4 d) Ablution and Latrine facilities e) Tools and Equipment f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water A1.3.8 h) Access i) Plant Sum 1 Sum 1 Sum 1 Sum 1 A1.3.9 A1.3.9 A1.3.10 8.3.4 Removal of site establishment on completion of works Sum 1 Sum 1 Sum 1	A1.3.2			b) Workshops	Sum	1		
A1.3.5 e) Tools and Equipment f) Water supplies, Electrical power, Communication facilities Sum 1 A1.3.7 g) Dealing with water Sum 1 A1.3.8 h) Access i) Plant Sum 1 A1.3.9 A1.3.10 8.3.4 Removal of site establishment on completion of works Sum 1	A1.3.3			c) Laboratories	Sum	1		
A1.3.6 f) Water supplies, Electrical power, Communication facilities Sum 1 g) Dealing with water Sum 1 h) Access Sum 1 i) Plant Sum 1	A1.3.4			d) Ablution and Latrine facilities	Sum	1		
Communication facilities Sum 1 g) Dealing with water Sum 1 h) Access Sum 1 i) Plant Sum 1	A1.3.5			e) Tools and Equipment	Sum	1		
A1.3.8 h) Access i) Plant Sum 1 Sum 1 Sum 1 Removal of site establishment on completion of works Sum 1	A1.3.6				Sum	1		
A1.3.9 A1.3.10 i) Plant Removal of site establishment on completion of works Sum 1 Sum 1	A1.3.7			g) Dealing with water	Sum	1		
A1.3.10 Removal of site establishment on completion of works Sum 1	A1.3.8			h) Access	Sum	1		
works Sum 1	A1.3.9			i) Plant	Sum	1		
TOTAL CARRIED FORWARD	A1.3.10		8.3.4	-	Sum	1		
	TOTAL CAI	RRIED FOR	WARD					

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE A: PRELIMINARY AND GENERAL

				2CHEDU	LE A: PF	CELIMINAR	<u>Y AND GENERAL</u>		
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R		
BROUGHT	FORWARD								
A1.3.11		8.3.3	Other fixed-charge obligations (Specify)	Sum	1				
A2 A2.1		8. 8.4 8.4.1	Time-related Items: Contractual requirements	Sum	1				
A2.2		8.4.2	Operate and maintenance of facilities on site for the Engineer for the duration of the contract (PS AB 3.2)						
A2.2.1			a) Engineers office as per Item A1.3	Sum	1				
A2.2.2			b) Telephone, 3G Data Mobile Data Dongle	Sum	1				
A2.2.3			c) Printer, Copier, Scanner	No	1				
A2.2.4			d) Name boards	Sum	1				
A2.3		8.4.2.2	Facilities for Contractor for duration of Contract						
A2.3.1			a) Offices and storage shed	Sum	1				
A2.3.2			b) Workshops	Sum	1				
A2.3.3			c) Laboratories	Sum	1				
A2.3.4			d) Ablution and Latrine facilities	Sum	1				
A2.3.5			e) Tools and equipment	Sum	1				
A2.3.6			f) Water supplies, Electrical power, Communication facilities	Sum	1				
A2.3.7			g) Dealing with water	Sum	1				
A2.3.8			h) Access	Sum	1				
A2.3.9			i) Plant	Sum	1				
A2.4		8.4.3	Supervision	Sum	1				
A2.5		8.4.4	Company and Head office overhead costs	Sum	1				
A2.6		PS A8.11	Health And Safety						
TOTAL CAI	TOTAL CARRIED FORWARD								

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE A: PRELIMINARY AND GENERAL

SCHEDULE A: PRELIMINARY							AND GENERAL
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT	FORWARD			<u> </u>			
A2.6.1		PS A8.11.1	Health and Safety Requirements	Sum	1		
A2.6.2		PS A8.11.2	Health & Safety Plan	Sum	1		
A2.6.3		PS A8.11.3	Health and Safety File	Sum	1		
A2.7		PS A8.10	Environmental				
A2.7.1		PS A 8.10.1	Environmental requirements	Sum	1		
A2.7.2		PS A 8.10.2	Environmental awareness training	Sum	1		
A2.7.3			Allow for all costs involved for personnel attending the environmental awareness training	Sum	1		
A2.8			Allow for all costs involved for surveying the site on private properties for:				
			a) Private Sewer	Prov Sum	1	10 000,00	
			b) Public Sewer	Prov Sum	1	10 000,00	
A2.9		8.4.5	Other time related obligations (Specify)	Sum	1		
A3			Sundries:				
A3.1			Provisional Sum for the payment of the CLO	Sum	1	200 000,00	
A3.2			Overhead charges and profit on item A3.1	%			
A3.3			Allow for all costs associated with the recruitment, employment and management of the CLO and unskilled local labour. Include the costs associated with complying with statutory requirements of employment of casual labour.	month			
A3.4	RRIED FORV	WARD	Allow for all costs involved in complying with the general provisions of the Environmental Management specifications.	Sum	1		
TOTAL CAL	CICIED FOR	MAKD					

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

		SCHEDULE	A:	PRELI	MINARY	AND	GENERA	L
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ITEM NO ROUGHT FORW.		Allow for all costs involved in complying with the general provisions of the OHS Act and the OHS specification in terms of 2014 Construction Regulations.	UNIT	QTY	RATE	AMOUNT R
ROUGHT FORW.	ARD	the general provisions of the OHS Act and the OHS specification in terms of 2014	CIVII	QII	KATE	AWOUNTK
		the general provisions of the OHS Act and the OHS specification in terms of 2014				
2.6			Sum	1		
3.6		Allow a provisional sum for the provision of public awareness signage.	Sum	1	5 000,00	
3.7		Overhead charges and profit on item A3.6.	%			
3.8		Allow for all costs involved in supply of a CCTV video survey of the inside of all sewer pipelines, including establishment(pipe Ø160mm to Ø200mm)	m	3810		
4	PS A	Sums stated provisionally by Engineer, for:				
4.1		a) Tests by Engineer	Prov Sum	1	25 000,00	
4.2		b) Relocation of Telecommunication, Electrical	Prov Sum	1	50 000,00	
5	PS A 8.5(b) 2	Extra over Item A3 percentage allowed for overhead costs charges, profit, supervision, management and co-operation				
5.1		a) Tests by Engineer	%	25000		
5.2		b) Relocation of Telecommunication and Electrical Services	%	75000		
5.3		As built survey by Independent Surveyor	Sum	1		
5.4		Allow for all cost involved in Dust Control as per PSD5.1.4.1	Sum	1		
5.5		Telephone: Metered calls by the Engineers Representative to be paid on certification by the Engineer within 10 days.	PC Sum	1	12 000,00	
OTAL CARRIED	FORWARD TO SUM	 MARY				

WATER AND SANITATION

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

	SCHEDU	LE A: Ph	<u>KELIMINAR'</u>	Y AND	<u>GENERAL</u>
Ī					

SCHEDULE A: PRELIMINARY								
ITEM LIC PAYMENT DESCRIPTION								
NO	UNIT	QTY	RATE	AMOUNT R				
	UNII	QII	KATE	AMOUNTK				
BROUGHT FORWARD	•		1					
A5.6 PS A 8.8.2 Allow for all costs in handling traffic, maintaining access, providing barricades and traffic signs etc. in accordance with Traffic Regulations when working in or adjacent to existing Proteaville Roads.	Sum	1	KAIE	AMOUNTR				
TOTAL CARRIED FORWARD TO SUMMARY								

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE B: SITE CLEARANCE

					<u>SCH</u>	<u>IEDULE B: S</u>	ITE CLEARANCE
ITEM	LIC	PAYMENT	DESCRIPTION				
NO				UNIT	QTY	RATE	AMOUNT R
		SANS	SCHEDULE B: SITE CLEARANCE				
		1200 C					
B1		8.2.1	Clear, grub including trees up to 1m girth:				
		PS C 5.1		,	1.5		
B1.1	LIC		a) Road reserves	ha	1,5		
B1.2	LIC		b) Servitude Areas	ha	1		
B1.3	LIC		3) Private Properties (5m wide)	m	2,5		
B2		8.2.2	Remove and grub large trees and tree stumps of girth:				
B2.1	LIC		1 - 2m	No	5		
В3		PS C 8.2.14	Remove, stockpile and maintain at contractors camp site for re-use				
B3.1	LIC		a) Base/Subbase(crusher run or laterite) from existing side walks, verges and roads	m^3	750		
B3.2	LIC		g) Concrete Bollards	No	5		
B3.3	LIC	8.2.10	h) Topsoil	m³	1 000		
B3.4	LIC		i) Landscaping, grass and vegetation	m^2	50		
B3.5	LIC		j) Paving from driveways	m^2	50		
TOTAL CA	RRIED FOR	LWARD			<u> </u>		

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE B. SITE CLEARANCE

					<u>SCH</u>	EDULE B: S	<u>ITE CLEARANCE</u>
ITEM	LIC	PAYMENT	DESCRIPTION				
NO				UNIT	QTY	RATE	AMOUNT R
BROUGHT	FORWARD						
B4		PS C 8.2.12	Remove and recycle on or off-site (at recycling facility identified and procured by the Contractor) of asphalt surfacing from:				
B4.1	LIC		a) Roads - asphalt up to 60mm thick	m^3	5		
B4.2	LIC		b) Side walks, driveways and walkways - asphalt 40mm thick	m^3	5		
В5		PS C 8.2.12	Remove and recycle on or off-site (at recycling facility identified and procured by the Contractor) the following:				
B5.1	LIC		Concrete up to 100 mm thick from driveways, channels and verges	m^3	10		
B5.2	LIC		Brick paving up to 90 mm thick from driveways	m³	10		
В6			Demolish, remove and recycle on or off-site (at recycling facility identified and procured by the Contractor) the following existing structures:				
B6.1	LIC		Small brick and mortar structures which includes roof sheeting, tiles etc.	m^3	20		
B6.2	LIC		Brick and mortar structure such as septic tanks, Manholes, Catch pits etc.	m³	20		
TOTAL CA	RRIED FOR	WARD	<u> </u>		<u> </u>		

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE B: SI										
ITEM	LIC	PAYMENT	DESCRIPTION							
NO	FORWARD			UNIT	QTY	RATE	AMOUNT R			
bkocdin	TORWARD									
			Miscellaneous							
В7		PS C 8.2.16	Take down, secure and re-erect existing boundary fence/wall for:							
B7.1	LIC		Wire Mesh Fence up to 1.5m height	m	800					
B7.2	LIC		Galvanized Steel Palisade up to 1.5m height	m	20					
B7.3	LIC		Vibracrete up to 1.5m height	m	50					
B7.4	LIC		Brick (230mm) up to 1.5m height	m	50					
В9		PS C 8.2.13	Remove and spoil-off site unusable rubble and concrete that was saw cut to licensed spoil site identified and procured by the Contractor	m^3	20					
B10		PS DB	Saw cut Existing Concrete for depths :							
B10.1	LIC		0.00 mm to 150 mm	m²	5					
B11		PS C 8.2.11 PS C 8.2.11	Remove and recycle the asphalt that was saw cut on or off-site (at recycling facility identified and procured by the Contractor) Saw-cutting of existing asphalt edge in:	m³	5					
		15 C 8.2.11		2	_					
B12.1	LIC		Roads	m²	5					
B13	LIC	PS C 8.2.15	Dismantle structured metal, wood work and store at contractors camp for re-use	m³	50					
B14			Liaising with property owners for construction access to midblock properties	No	150					
TOTAL CA	TOTAL CARRIED FORWARD									

WATER AND SANITATION

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDUL	E B	R. SITE	CLEAR	ANCI

TEED 6	* * * *	DATE (E) IT	DECORPTION			ED CLE B. C	TTE CLEARANCE
ITEM	LIC	PAYMENT	DESCRIPTION				
NO				UNIT	QTY	RATE	AMOUNT R
	FORWARD			•			
B15			Extra over on item B7 for the supply and install of all material neccesary to make up deficiency to reinstate boundary fencing/wall to original condition or better for:				
B15.1	LIC		Wire Mesh Fence up to 1.5m height	m	100		
B15.2	LIC		Galvanized Steel Palisade up to 1.5m height	m	5		
B15.3	LIC		Vibracrete up to 1.5m height	m	20		
B15.4	LIC		Brick (230mm) up to 1.5m height	m	50		
B16	LIC		Take down, secure and re-erect existing signboards	No	10		
TOTALC	DDIED FOR	WARD TO GUE	MARY				
TOTAL CA	KKIED FOR	WARD TO SUM	WAN I				

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE C: EARTHWORKS

LIC	PAYMENT	DESCRIPTION				: EARTHWORKS
			UNIT	QTY	RATE	AMOUNT R
	SANS	SCHEDULE C: EARTHWORKS				
	1200 D					
		Roadworks:				
	DM 8.3.3	Preparation and in-situ compaction of roadbed (min. 150mm thick) to:				
		98% MOD. AASHTO-density (100% for sand) under roads.	m^3	40		
		98% MOD. AASHTO-density (100% for sand) under side walks.	m^3	10		
		98% MOD. AASHTO-density (100% for sand) under driveways, walkways, brick paved areas and laterite areas.	m^3	500		
	DM 8.3.3	In-situ treatment of roadbed in:				
		a) Intermediate material	m^3	100		
		b) Hard rock material	m^3	25		
	8.3.2	Excavate in all materials on site and use for the following:				
	8.3.2(a)	Cut material from erven, open spaces and road reserve to stockpile on site and maintain	m^3	100		
	8.3.2(a)	Fill on erven, open space and within road reserve compacted to 98% MOD.AASHTO density (100% for sand) with material from stockpile	m^3	100		
	8.3.2(a)	Spoil unsuitable material from erven, road reserve and stockpile off site (Licenced spoil site procured by the contractor. Tipping fee and/or permit to be included in rate.)	3	50		
		perimit to be included in fate.)	III	30		
		Spoil unsuitable material from stockpile off site (Contractors own spoil site)	m^3	50		
		Straw stabilizing	ha	0		
	LIC	SANS 1200 D DM 8.3.3 DM 8.3.3 8.3.2 8.3.2(a)	SANS 1200 D Roadworks: DM 8.3.3 Preparation and in-situ compaction of roadbed (min. 150mm thick) to: 98% MOD. AASHTO-density (100% for sand) under roads. 98% MOD. AASHTO-density (100% for sand) under side walks. 98% MOD. AASHTO-density (100% for sand) under driveways, walkways, brick paved areas and laterite areas. DM 8.3.3 In-situ treatment of roadbed in: a) Intermediate material b) Hard rock material 8.3.2 Excavate in all materials on site and use for the following: 8.3.2(a) Cut material from erven, open spaces and road reserve to stockpile on site and maintain 8.3.2(a) Fill on erven, open space and within road reserve compacted to 98% MOD.AASHTO density (100% for sand) with material from stockpile 8.3.2(a) Spoil unsuitable material from erven, road reserve and stockpile off site (Licenced spoil site procured by the contractor. Tipping fee and/or permit to be included in rate.) Spoil unsuitable material from stockpile off site (Contractors own spoil site)	SANS 1200 D Roadworks: DM 8.3.3 Preparation and in-situ compaction of roadbed (min. 150mm thick) to: 98% MOD. AASHTO-density (100% for sand) under roads. 98% MOD. AASHTO-density (100% for sand) under side walks. 98% MOD. AASHTO-density (100% for sand) under driveways, walkways, brick paved areas and laterite areas. DM 8.3.3 In-situ treatment of roadbed in: a) Intermediate material b) Hard rock material m³ 8.3.2 Excavate in all materials on site and use for the following: 8.3.2(a) Cut material from erven, open spaces and road reserve to stockpile on site and maintain 8.3.2(a) Fill on erven, open space and within road reserve compacted to 98% MOD.AASHTO density (100% for sand) with material from stockpile 8.3.2(a) Spoil unsuitable material from erven, road reserve and stockpile off site (Licenced spoil site procured by the contractor. Tipping fee and/or permit to be included in rate.) Spoil unsuitable material from stockpile off site (Contractors own spoil site)	SANS 1200 D Roadworks: Preparation and in-situ compaction of roadbed (min. 150mm thick) to: 98% MOD. AASHTO-density (100% for sand) under roads. 98% MOD. AASHTO-density (100% for sand) under side walks. 98% MOD. AASHTO-density (100% for sand) under driveways, walkways, brick paved areas and laterite areas. DM 8.3.3 In-situ treatment of roadbed in: a) Intermediate material b) Hard rock material m³ 100 b) Hard rock material m³ 25 8.3.2 Excavate in all materials on site and use for the following: 8.3.2(a) Cut material from erven, open spaces and road reserve to stockpile on site and maintain m³ 100 8.3.2(a) Fill on erven, open space and within road reserve compacted to 98% MOD.AASHTO density (100% for sand) with material from stockpile 8.3.2(a) Spoil unsuitable material from erven, road reserve and stockpile off site (Licenced spoil site procured by the contractor. Tipping fee and/or permit to be included in rate.) Spoil unsuitable material from stockpile off site (Contractors own spoil site) m³ 50	SANS 1200 D Roadworks: DM 8.3.3 Preparation and in-situ compaction of roadbed (min. 150mm thick) to: 98% MOD. AASHTO-density (100% for sand) under roads. 98% MOD. AASHTO-density (100% for sand) under side walks. 98% MOD. AASHTO-density (100% for sand) under driveways, walkways, brick paved areas and laterite areas. DM 8.3.3 In-situ treatment of roadbed in: a) Intermediate material b) Hard rock material m³ 100 8.3.2 Excavate in all materials on site and use for the following: 8.3.2 Cut material from erven, open spaces and road reserve to stockpile on site and maintain 8.3.2(a) Fill on erven, open space and within road reserve compacted to 98% MOD.AASHTO density (100% for sand) with material from stockpile 8.3.2(a) Spoil unsuitable material from erven, road reserve and stockpile off site (Licenced spoil site procured by the contractor. Tipping fee and/or permit to be included in rate.) Spoil unsuitable material from stockpile off site (Contractors own spoil site) m³ 50

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE	E D: FOUL	SEWER	(MUNICIPAI	(MAINS)

TTEM (1.10	DAMACNIC				,	NICIPAL MAINS)
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
	+		SCHEDULE D: FOUL SEWER (MUNICIPAL	OIVII	QII	KATL	ANIOCIVI K
			MAINS)				
		SANS	Excavations				
D1		PS DB	Trench excavation in all materials,				
Di		8.3.2(a)	backfilling, compacting and removal of				
			surplus material for sewerage pipes up to				
D1.1			315mm diameter 0.00 - 1.0 m	m	1065		
			1.0 1.1	111	1003		
D1.2			1.01 - 2.0 m	m	11989		
D1.3			2.01 - 3.0 m	m	543		
				111	3 13		
D1.4			3.01 - 3.5 m	m	23		
D2		DB 8.3.2	Extra over Item 8.3.2(a) for excavation in:		13620		
D2.1			Intermediate excavation	m³	2727		
				111	2121		
D2.2		DB 8.3.2(b)	Hard rock excavation	m³	14045		
			Excavate and dispose of unsuitable material				
			from trench excavation and spread on low areas				
D2.3		DB 8.3.2(c)	as identified by Engineer	m3	13639		
D3		DB 8.3.3	Excavation Ancillaries				
			Make up deficiency in backfill material from				
D3.1 D3.2			commercial sources Compaction in road reserve	m3 m3	13639 4500		
D3.2			Compaction in road reserve	1113	4300		
		DB 8.3.4	Particular items				
D4			Shore trench opposite structure, service or				
			where depth exceeds:				
D4.1	LIC		1.50 - 2.0m	m	100		
D4.2	LIC		2.01 - 3.0m	m	100		
		DB 8.3.6	Finishing				
		PSDB					
D5		8.3.6.1	Use topsoil from stockpile at campsite and place				
_ •			150 mm thick	m³	1 000		
D6			Reinstate landscaping to original state and				
В			maintain for 1 month period.	m^2	50		
D7	LIC		Assemble structured metal, wood work from				
/ ע	LIC		contractors camp	m^3	50		
TOTAL C	CARRIED FO	RWARD					

Contract

WATER AND SANITATION

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE D: FOUL SEWER(MUNICIPAL MAINS)

			<u>3C</u>	HEDULE .	D: FOUL	SE W EK (M C	<u> (NICIPAL MAINS)</u>
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT	ΓFORWARD			I.			
D8		PSDB 8.3.6.1	Reinstate roads, driveway and other surfaces complete with all courses from stockpile at contractors site camp				
D8.1			Gravel	m²	4000		
D8.2	LIC		Paving (80mm Interlocking) a) Smooth Finish	m²	100		
D8.3	LIC		Paving (60mm Bond) a) Smooth Finish	m²	100		
D8.4	LIC		Asphalt of thickness 40mm	m²	50		
D9		PSDB 8.3.6.1	Reinstate roads, driveway and other surfaces complete with all courses from commercial sources				
D9.1			Gravel	m²	1000		
D9.2	LIC		Paving (80mm Interlocking) a) Smooth Finish	m²	25		
D9.3	LIC		Paving (60mm Bond) a) Smooth Finish	m²	25		
D9.4	LIC		Concrete 100mm thick	m²	20		
D9.5	LIC		Asphalt of thickness 40mm	m^2	50		
D9.6	LIC		Asphalt of thickness 25mm	m²	10		
TOTAL CA	ARRIED FOR	WARD	<u> </u>				

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE D. FOLL SEWER (MUNICIPAL MAINS)

				CHEDULE .	<u>D: FOUL</u>	SEWER(MU	NICIPAL MAINS)
ITEM	LIC	PAYMENT	DESCRIPTION				
NO	EGDW. DD			UNIT	QTY	RATE	AMOUNT R
BROUGHT	FORWARD		E-counting Amellonics	Ī			
			Excavation Ancillaries				
D10			Existing Services:				
D10.1		PS DB 8.3.5(b)	Services parallel to trench excavations:				
		0.5.5(0)	a) Stormwater Pipes & Channels	m	100		
			b) Water Pipes	m	400		
			c) Electrical Cables	m	400		
			d) Telecommunication ducts/sleeves	m	400		
D10.2		PS DB 8.3.5(a)	Services that intersect trench excavations:				
		0.5.5(a)	a) Stormwater Pipes & Channels	No	15		
			b) Stormwater structures	No	10		
			c) Water Pipes	No	30		
			d) Water house connections	No	300		
			e) Valves and Fire Hydrants	No	30		
			f) Telecommunication ducts/sleeves	No	20		
			g) Telecommunication structures and poles	No	10		
			h) Electrical cables and house connections	No	20		
			i) Electrical and Light poles	No	20		
D11			The use or hire of specialist equipment to detect existing services	Sum	1		
D12		PS D 8.3.8.1(c)	Digging of holes to expose existing services	m³	100		
TOTAL CA	RRIED FOR	WARD.					
. O I I L CA	DION						

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE D: FOUL SEWER(MUNICIPAL MAINS)

			<u>SC</u>	HEDULE I	D: FOUL	SEWER(MU	NICIPAL MAINS)
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT	FORWARD						
D13		PS DB 8.3.8	Handling of ground water in trenches where trench conditions are unstable:				
D13.1			Supply and place crushed stone (19mm) from commercial sources as directed by Engineer	m³	100		
D13.2			Supply and place geotextile as directed by Engineer	m^2	300		
D14		PS LB 5.1.2	Bedding:				
			Install bedding from excavations from site				
D14.1		PS LB 8.1.3	Bedding cradle	m³	20		
D14.2		PS LB 8.1.4	Fill blanket	m³	20		
			Install bedding from commercial off-site sources				
D14.3			Bedding cradle	m³	1305		
D14.4			Fill blanket	m³	4325		
D14.5			25mm crushed stone	m³	50		
D14.6			Concrete bedding cradle (15Mpa)	m³	10		
D14.7			Concrete pipe encasement (25Mpa)	m³	20		
D15		PS LD 3.1.5	Pipes: Supply, handle, lay and bed (Class B bedding) Class 34 uPVC foul sewer pipes				
D15.1	LIC		110mm dia	m	1430		
D15.2	LIC		160mm dia	m	12200		
TOTAL CA	RRIED FOR	WARD			·		

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE D: FOUL SEWER(MUNICIPAL MAINS)

			<u>SC</u>	HEDULE I	<u>): FOUL</u>	SEWER(MU	NICIPAL MAINS)
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
BROUGHT	FORWARD						
D16		8.2.1	House Connections Supply, handle, lay and bed (Class B bedding) class 34 uPVC fittings and pipes				
D16.1	LIC		160x110mm dia Y-junctions	No	349		
D16.4	LIC		110mm x 45° bends	No	349		
D16.5	LIC	PS LD 8.2.13	110mm dia end caps	No	349		
D17			Supply and install complete as indicated on drawings:				
			Manholes:				
D17.1		PS LD 8.2.3	Precast concrete ring type to detail with heavy duty hinged type ductile iron cover and frame in compliance with EN124-D400 for the following depths:				
	LIC LIC		a) 0,5 m - 1,00 m	No	5		
	LIC		b) 1,01 m - 1,50 m	No	236		
	LIC		c) 1,51 m - 2,00 m	No	39		
	LIC		d) 2,01 m - 2,50 m	No	7		
	LIC		e) 2,51 m - 3,00 m	No	3		
TOTAL CA	RRIED FOR	WARD					

Part C2: Pricing Data

WATER AND SANITATION

CONTRACT NO: BID/NC062/12/2024-2025

VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

SCHEDULE D: FOUL SEWER(MUNICIPAL MAINS)

SCHEDULE D: FOUL SEWER(MU								
ITEM	LIC	PAYMENT	DESCRIPTION					
NO				UNIT	QTY	RATE	AMOUNT R	
BROUGHT	FORWARD							
D18	LIC	PS LD 8.2.11	Allow for all cost involved in connecting to existing manhole with new 160mm Ø sewer main including handling of flow and fittings.	No	1			
D18	LIC	PS LD 8.2.11	Allow for all cost involved in connecting to existing 160mm Ø sewer main with new manhole including handling of flow and fittings. Manhole measured elsewhere.	No	1			
D19	LIC	PSLD 3.6	Allow for all cost involved in marking foul sewer house connection ends with 1200mm steel fencing Y standard pole including wire to connection endcap and painted brown	No	349			
TOTAL CA	RRIED FOR	WARD TO SUM	MARY					

	SUMMARY OF SECTIONS	
SECTION	DESCRIPTION	AMOUNT R
A	PRELIMINARY AND GENERAL	
В	SITE CLEARANCE	
С	EARTHWORKS	
D	FOUL SEWER (MUNICIPAL MAINS)	
	SUB-TOTAL	
	CONTINGENCIES Allow the sum of 10% (ten percent) of the above Sub-total for contingencies to be spend as the Engineer may direct and to be deducted in whole or in part if not required.	
	TOTAL INCLUDING CONTINGENCIES	
	VALUE ADDED TAX ADD: VAT at the rate of 15%	
	Carried to Part C1.1: Form of Offer and Acceptance	

WATER AND SANITATION

CONTRACT NO:

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

DAYWORK SCHEDULES

		1				DATW	ORK SCHEDULES
ITEM	LIC	PAYMENT	DESCRIPTION				
NO				UNIT	QTY	RATE	AMOUNT R
E1		8,7 i)	Dayworks (prov Qty's): Note: All rates to be GROSS (mark-up included). The tenderer must state the capacity of the plant that this rate is based on				
		ii)	Dayworks rates will apply irrespective of the percentage increase in quantities. Clause 6.3.1 of the General Conditions of Contract limiting increase in quantities and/or sub-items will not apply to dayworks				
E1.1			Labour Charges during normal working hours				
E1.1.1			Un-Skilled Labour	h	50		
E1.1.2			Semi-Skilled Labour	h	50		
E1.1.3			Skilled Labour	h	50		
E1.1.4			Ganger	h	50		
E1.1.5			Site Foreman	h	50		
E1.1.6			Supervisor	h	50		

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

DAYWORK SCHEDULES

						<u>DAY WO</u>	ORK SCHEDULES
ITEM	LIC	PAYMENT	DESCRIPTION				
NO				UNIT	QTY	RATE	AMOUNT R
E1.2			Plant Charges				
E1.2.1			Articulated Dumper Truck (capacity 10m³				
			loose) Manufacturer:Model:	h	25		
E1.2.2			Digger-loader with a minimum capability of 58 kW min:				
			Manufacturer:Model:	h	25		
E1.2.3			Excavators 93 Kw min Manufacturer:Model:	h	20		
E1.2.4			Grader (12700 - 14999 kg) Manufacturer:Model:	h	20		
E1.2.5			Front-end loader (2m³ bucket min) Manufacturer:Model:	h	10		
E1.2.6			Pneumstic self-propelled roller (5-14 tons) Manufacturer:Model:	h	10		
E1.2.7			Flat Steel Roller (10-12 tons) Manufacturer:Model:	h	10		
E1.2.8			Pedestrian Roller Manufacturer:Model:	h	10		
E1.2.9			Vibrating Self-Propelled Roller (7 - 12.5 tons) Manufacturer:Model:	h	20		
E1.2.10			Forward and Reverse Compactor Manufacturer:Model:	h	10		
E1.2.11			Compactor (pan) Manufacturer:Model:	h	10		
E1.2.12			Mechanical Compactor Manufacturer:Model:	h	10		
E1.2.13			Water Cart (9000l)	h	20		

WATER AND SANITATION

CONTRACT NO:

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VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

DAYWORK SCHEDULES

						DATW	ORK SCHEDULES
ITEM NO	LIC	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
E1.2.14			Water Cart (15000l)	h	20		
E1.2.15			Pumps: Centrifugal 100mm	h	20		
E1.2.16			Pumps: Centrifugal 150mm	h	20		
			Trucks:				
E1.2.17			3 ton	h	10		
E1.2.18			Tip-up (10m³)	h	10		
E1.2.19			Flatbed (5 ton)	h	10		
E1.2.20			Flatbed (10 ton)	h	10		
E1.2.21			Concrete Dumper	h	10		
E1.2.22			Concrete Mixer (10/7)	h	10		
E1.2.23			LDV (1 ton)	h	10		
E1.2.24			Tractor and Trailer	h	10		