SECTION 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
1	**SANS 1200 A**	**PRELIMINARY AND GENERAL**				
1.1	8,3	**Scheduled Fixed-Charge and Value-Related Items**				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
		Provision for the site facilities:				
1.1.2	8.3.2.1	a) Facilities for the Engineer	Sum	1		
1.1.3	8.3.2.2	b) Facilities for the Contractor	Sum	1		
1.1.4	8.3.3	General reponsibilities and other fixed charge obligations	Sum	1		
1.1.5	8.3.4	Removal of site establishment on completion	Sum	1		
1.1.6		Compliance with the OHS Act regulations (Rate to include for risk assessment specific to the project and other adjustments to ensure compliance for the assignment including maintenance of a register for workers contacts.)	Sum	1		
		Costs of medical certificate and medical surveillance				
1.1.7		a) Initial (baseline) medical examinations	No.	25		
1.1.8		b) Exit examinations	No.	25		
1.1.9		Allowance for Health and Safety Officer	Sum	1		
		Environmental Managemant				
1.1.10		a) Compliance with Environmental Management plan including waste management	Sum	1		
		Contract Name boards				
1.1.11		(a) Supply & erect Contract name board, See **Drawing standard**	No	1		
1.2	**8.4**	**SCHEDULED TIME-RELATED ITEMS**				
1.2.1	8.4.1	Contractual requirements	Sum	1		
1.2.2	8.4.2	Occupation and maintanance of the site facilities				
1.2.3	8.4.2.1	a) Facilities required by the Engineer	Sum	1		
1.2.4	8.4.2.2	b) Facilities required by the Contractor	Sum	1		
1.2.5		General responsibilities and other time related abligations including other obligations	Sum	1		
1.2.6		Compliance with the OHS Act regulations (Rate to include for risk assessment specific to the project and other adjustments to ensure compliance for the assignment including maintenance of a register for workers contacts.)	Sum	1		
1.2.7	8.4.3	Supervision for the duration of the contract	Sum	1		
					Carried Forward	

SECTION 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
					Brought Forward	
1.3		**SUMS STATED PROVISIONALLY BY THE ENGINEER**				
1.3.1	PSA3	Employment of CLO for the duration of the Contract (R7500 pm plus R500 pm cellphone allowance)	Prov. Sum	1	R40 000,00	R40 000,00
1.3.2		Payment of PSC members for attendance of meetings for the duration of the contract (5 No members at R500 per member per meeting)	Prov. Sum	1	R12 500,00	R12 500,00
		Contractors markup on item 1.3.17	%	R52 500,00		
1.3.3		Provision of Engineering Survey as instructed by the Engineer and for any As-built survey	Prov. Sum	1	R48 000,00	R48 000,00
1.3.4		Allow for Airtime to the Engineers site Personnel for the duration of the Contract	Prov. Sum	1	R5 000,00	R5 000,00
1.4	8.7	**DAYWORKS**				
1.4.1		**LABOUR**				
		Supervision, transport etc to be included in P&G allowance. Any other allowance to be included in the rate)				
1.4.1.1		Foreman	hr	20		
1.4.1.2		Skilled	hr	20		
1.4.1.3		Semi-skilled	hr	20		
1.4.1.4		Unskilled	hr	20		
1.4.2		**PLANT**				
1.4.2.1		a) TLB	hr	10		
1.4.2.2		Establishment and Destablishment for item 1.4.3.1	Sum	1		
1.4.2.3		b) Excavator	hr	10		
1.4.2.4		Establishment and Destablishment for item 1.4.3.3	Sum	1		
1.4.2.5		c) Flatbed truck	hr	10		
1.4.2.6		Establishment and Destablishment for item 1.4.3.3	Sum	1		
1.4.2.7		d) Wacker	day	5		
1.4.2.8		e) Water Pump	day	5		
Total Carried Forward To Summary						

SECTION 2 : SITE CLEARANCE

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
2	**SANS 1200 C & PSC**	**SITE CLEARANCE**				
2,1		**CLEAR AND GRUB**	ha	1		
2.1.1	8.2.1	a) Areas as designated by the Engineer				
	8.2.2	Where instructed remove and grub large trees and tree stumps of girth:				
2.1.2	8.2.2(a)	over 1m and up to 2m.	No.	15		
2.2.3	8.2.10	Stripping average 150mm thick layer of top soil over to be excavated for installation of services and depositing material to prescribed stock piles on site (Rate to include re-use, compaction and levelling of stock pile material on site as instructed by engineer).	m^3	105		
Total Carried Forward to Summary						

SECTION 3: BOREHOLE PUMP STATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
3		**REFURBISHMENT OF BOREHOLE PUMP STATIONS**				
3,1		**BOREHOLE PUMPS STATION BUILDING**				
3.1.1		Supply all material and labour to construct 2No. of borehole pump stations complete in accordance with drawing P2023_32_00_D-409 and as directed by the Engineer. The tendered rate shall be inclusive of all earthworks and relevant tests required. All materials and workmanship to conform to specifications.	Pov Sum	1	R 500 000,00	R 500 000,00
3,2		**BOREHOLE PUMPS INSTALLATION**				
3.2.1		Supply and install 2No. of electrical driven borehole pump set, including electrical and electronic cables and MMC panel. The tendered rate to include all pipework, water meters, valves, pump controls, etc.. The contractor will also be required to compile an operations manual and train operators as identified by the Client.	Pov Sum	1	R 1 000 000,00	R 1 000 000,00
3,3		**REFURBISHMENT OF BOREHOLE PUMP STATION 1**				
		Refurbishment of the existing borehole pump station 3. The contractor will also be required to compile an operations manual and train operators as identified by the Client.	Pov Sum	1	R 100 000,00	R 100 000,00
3,4		**ESKOM POWER CONNECTION**				
		Connection of eskom power from the existing eskom powerline to the borehole pump stations.	Pov Sum	1	R 310 000,00	R 310 000,00
		Contractor's mark up on item 3.1 to 3.5 above	%	R 1 910 000,00		
3,5		**FENCING**				
3.6.1		Security fence constructed of 2.4m High formed of thirteen strands of straining wires each strand formed of twisted double strand 1,6mm thick galvanised wires incorporating three barbs in every twist at 150mm centres mechanically strained between straining and/or gate and corner posts at maximum 10m centres with one end passed through holes and securely tied to posts and other end securely tied to and including eyebolts bolted onto posts with and including 2,5mm galvanised binding wire; the fence complete with and including three rows of flat wrap razor security wire in 600mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2,5mm galvanised binding wire. With 100mm Diameter x 3,5mm thick galvanised intermediate post 3,4m long with pressed steel cap welded onto top; the post to be holed as required for wires and straining bolts and with 150 x 150 x 4mm mild steel base plate welded onto bottom end: including setting up post and embedding in position in concrete base	m	80		
3.6.2		Supply and install double leaf vehicle gates	No.	3		
Total Carried Forward to Summary						

SECTION 4 : REFURBISHMENT OF PUMPING MAIN

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
4		**REFURBISHMENT OF PUMPING MAIN FROM BH 03 TO MHLANGA RESERVOIR**				
4,1		**Provision for refurbishment or repairs to the existing pumping main from the BH 03 to the Mhlanga reservoir.**				
4.1.1		Refurbishment to the existing pumping main pipeline where it is required as per the Engineers instructions, including excavation, provision of bedding, trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes:	Prov-Sum	1	R587 500,00	R587 500,00
4,2		**Valves**				
4.2.1	PSL 3.13.2	Isolation Valves Complete				
4.2.1.1		Supply and install the following flanged Resilient seal Gate valves complete with valve chamber, non-rising spindle, Clockwise closing, including all gaskets, bolts, nuts and washers as per detailed drawings.				
		110mm	No.	1		
4.2.2	8.2.5	Air Valves Complete				
4.3.2.1		Supply and install PN 25 Air Valve for pipes between 63 and 110mm diameter. Assemblies Complete with valve chamber as per detailed drawings. Rate is inclusive of valve chamber.	No.	7		
4.2.3	8.2.5	Scour Valves Complete				
4.2.3.1		Supply and install Scour Valve assemblies Complete with wedge gate valve and valve chamber as per detailed drawings. Rate is inclusive of valve chamber, scour pipework and headwall to scour pipe.	No.	1		
4.2.4	8.2.5	Check / Non Return Valves Complete				
4.2.4.1		Supply and install Check / Non Return Valve assemblies Complete with valve chamber as per detailed drawings.	No.	3		
4,3		**Thrust Blocks**				
4.3.1		Construct thrust blocks in 25/19 Grade concrete including all preparation work and formwork required. Refer to standard detail P2023-23-D-416.	m³	15		
Total Carried Forward to Summary						

SECTION 5: BOOSTER PUMP STATION

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
5		**REFURBISHMENT OF BOOSTER PUMP STATION**				
5,1		**BOOSTER PUMPS STATION BUILDING**				
5.1.1		Supply all material and labour to construct booster pump station complete in accordance with drawing P2023-23-409 and as directed by the Engineer. The tendered rate shall be inclusive of all earthworks and relevant tests required. All materials and workmanship to conform to specifications.	Pov Sum	1	R 250 000,00	R 250 000,00
5,2		**BOOSTER PUMPS INSTALLATION**				
5.2.1		Supply and install booster pumps including all electrical and electronic cables and MMC panel. The tendered rate to include all pipework, water meters, valves, pump controls, etc.. The contractor will also be required to compile an operations manual and train operators as identified by the Client.	Pov Sum	1	R 500 000,00	R 500 000,00
		ESKOM POWER CONNECTION				
		Connection of eskom power from the existing eskom powerline to the booster pump station.	Pov Sum	1	R 170 000,00	R 170 000,00
5.2.2		Contractor's mark up on item 5.1 and 5.2	%	R 920 000,00		
5,3		**FENCING**				
5.3.1		Security fence constructed of 2.4m High formed of thirteen strands of straining wires each strand formed of twisted double strand 1,6mm thick galvanised wires incorporating three barbs in every twist at 150mm centres mechanically strained between straining and/or gate and corner posts at maximum 10m centres with one end passed through holes and securely tied to posts and other end securely tied to and including eyebolts bolted onto posts with and including 2,5mm galvanised binding wire; the fence complete with and including three rows of flat wrap razor security wire in 600mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2,5mm galvanised binding wire. With 100mm Diameter x 3,5mm thick galvanised intermediate post 3,4m long with pressed steel cap welded onto top; the post to be holed as required for wires and straining bolts and with 150 x 150 x 4mm mild steel base plate welded onto bottom end: including setting up post and embedding in position in concrete base	m	40		
5.3.2		Supply and install double leaf vehicle gates	No.	1		
Total Carried Forward to Summary						

SECTION 6 : RESERVOIRS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
6		**RESERVOIRS**				
6,1		**PUMP SUMP RESERVOIR**				
6.1.2		Construct new 10kl Pump Sump Reservoir complete as per Engineers instructions. Rate to include for all excavations, concrete bases, inlet and outlet pipes, overflow pipe, scour pipe, gate valves, ball valve, disinfection, associated chambers,thrust blocks, etc.	No.	1		
6,2		**MHLANGA RESERVOIR**				
6.2.1		Refurbishment of the existing concrete reservoir	Prov. Sum	1	R150 000,00	R150 000,00
6,3		**GABANJANA RESERVOIR**				
6.3.1		Refurbishment of the existing concrete reservoir	Prov. Sum	1	R90 000,00	R90 000,00
6.3.2		Contractor's mark up on item 6.2.1 and 6.3.1	%	R 240 000,00		
Total Carried Forward to Summary						

SECTION 7: REFURBISHMENT OF RETICULATION NETWORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
7		**REFURBISHMENT OF RETICULATION NETWORK**				
7,1		Refurbishment of the reticulation network Infrastructure as per Engineers instructions	Prov Sum	1	687 500,00	687 500,00
Total Carried Forward to Summary						

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	SECTION 1: PRELIMINARY AND GENERAL	
2	SECTION 2 : SITE CLEARANCE	
3	SECTION 3: BOREHOLE PUMP STATIONS	
4	SECTION 4 : REFURBISHMENT OF PUMPING MAIN	
5	SECTION 5: BOOSTER PUMP STATION	
6	SECTION 6 : RESERVOIRS	
7	SECTION 7: REFURBISHMENT OF RETICULATION NETWORK	
8	**TOTAL OF SECTIONS (VAT EXCLUDED)**	
9	ADD: CONTINGENCIES @ 10%	
10	**SUB TOTAL 1**	
11	ADD: VAT @ 15%	
12	**TOTAL CONSTRUCTION COST**	

I/we, the undersigned, do hereby declare that these are the properly priced Bill of Quantities forming Part C2 of this Contract Document in consecutive order upon which my/our tender for the **CONTRACT NUMBER: ORTDM SCMU 02-24/25 – GABAJANA WATER SUPPLY - CONTRACT 1** has been based.

SIGNED BY/ON BEHALF OF TENDERER

NAME | SIGNATURE | DATE

COMPANY STAMP

Declaration
(In respect of completeness of Tender)
O. R. TAMBO DISTRICT MUNICIPALITY
Nelson Mandela Drive
Myezo Park
Mthatha