



**UPGRADING OF MAHLABATHINI WATER
INFRASTRUCTURE
(BILL OF QUANTITIES)**



WORK PACKAGE 1 –
IMPLEMENTATION YEAR: 2025/2026
FINANCIAL YEAR



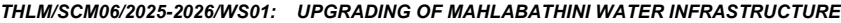
Item	Payment	Description	Unit	Qty	Rate	Amount
1.1	SABS 1200 A 8.3	PRELIMINARY AND GENERAL SECTION : PRELIMINARY AND GENERAL FIXED-CHARGE ITEMS				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establish Facilities on the Site:				
1.1.3	PSA 8-3	a) Facilities for Engineer	Sum	1		
1.1.4		b) Facilities for Contractor				
1.1.5		Offices and storage sheds	Sum	1		
1.1.6		Ablution and latrine facilities	Sum	1		
1.1.7		Tools and equipment	Sum	1		
1.1.8		Water supplies, electric power and communications	Sum	1		
1.1.9		Dealing with water (Subclause 5.5)	Sum	1		
1.1.10	8.3.3	Other fixed-charge obligations	Sum	1		
1.2	8.4	TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements	Month	8		
1.2.2	8.4.2	Operate and maintain facilities on the Site:				
1.2.3	PSA 8-4	a) Facilities for Engineer	Month	8		
1.2.4	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated				
1.2.5	8.4.2.2.1	Offices and storage sheds	Month	8		
1.2.6	8.4.2.2.2	Ablution and latrine facilities	Month	8		
1.2.7	8.4.2.2.3	Tools and equipment	Month	8		
1.2.8	8.4.2.2.4	Water supplies, electric power and communications	Month	8		
1.2.9	8.4.2.2.5	Dealing with water (Subclause 5.5)	Month	8		
1.2.10	8.4.2.2.6	Access (Subclause 5.8)	Month	8		
1.3	8.4.3	Supervision	Month	8		
1.4	8.4.4	Company and head office overhead costs	Month	8		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.5	8.4.5	Other time-related obligations	Month	8		
1.6		Payment for a Community Liaison Officers (R14000/month)	Month	8	14 000,00	R 112 000,00
1.7		Nameboard - 2No	Sum	1		
1.8		Compliance with the Occupational Health and Safety Requirements for the duration of the contract	Sum	1		
	8,5	Provisional Sums stated by the Engineer				
		Scheduled fixed-charge and value-related items:				
1.9		Fixed preliminary and general charges	Sum	1		
1.10		Value-related preliminary and general charges	Sum	1		
		Scheduled time-related items:				
1.11		Time-related preliminary and general charges	Sum	1		
1.12	PSA8-5	i) Training allowance paid to targeted labour in terms of formal training	Prov Sum	1	200 000,00	R 200 000,00
1.13		ii) Extra-over for the administration of payment of training allowances to targeted labour (max.10%)	%	200 000,00		
	8,6	Prime cost sums:				
1.14		Additional tests required by the engineer	PC Sum	1	90 010,50	R 90 010,50
1.15		Charge required by contractor on subitem PC Sum above	%	90 010,50		
	8.8.4	Location (including Provision of underground detecting devices) , protection and relocation of existing services for::				
1.16		Water and sewer pipes	Prov Sum	1	215 000,00	R 215 000,00
1.17		Electrical and other services	Prov Sum	1	150 000,00	R 150 000,00
		Charge required by contractor on sub item Prov Sum above	%	365 000,00		
		Hand excavation necessary for locating and exposing existing services in all materials:				
1.18		In roadways	m ³	22		
1.19		In all other areas	m ³	30		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.20		Compensation in terms of subsubclause 57(4)(b)(ii) for delays due to the circumstances described in subclauses 57(1) and (2) of the general conditions of contract, as amended	day		10 500,00	
1.2.1		Enterprise Development of Targeted Enterprise or JV Partners				
1.2.1.1		Needs Analysis and Enterprise Development Plan per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.2.1.2		Monitoring and Interim reporting per targeted Enterprise (Provisional Sum)	Per Quarter	4	20 000,00	R 80 000,00
1.2.1.3		Project Completion report per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.30		Preferential Local Sub-contracting				
1.3.1		Procurement for subcontracting to local SMME's	Prov Sum	1	3 140 687,82	R 3 140 687,82
1.3.2		Contractor's mark-up for attendance and assistance to work as allocated to local SMME's subcontractors	%	3 140 687,82		
TOTAL CARRIED TO SUMMARY: PRELIMINARY AND GENERAL						

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Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
5,10	SABS 1200 L	MEDIUM PRESSURE PIPELINES				
	8.2.1	Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters uPVC pipes (Class 12)				
5.1.1		a) 250mm diameter	m	3000		
	8.2.2	Extra over item 8.3.1 for the supplying, laying and bedding of specials complete with couplings (Fittings of PVC pipes, Cast Iron or Aluminium)				
5.2		Bends				
5.2.1		11.5 degree bends				
		a) 250mm	No	1		
5.2.2		22.5 degree bends				
		a) 250mm	No	1		
5.2.3		45 degree bends				
		a) 250mm	No			
5.2.4		90 degree bends				
		a) 250mm	No	2		
5.2.5		Unequal Tees				
5.2.5		a) 400 x 250mm unequal tee	No	1		
		b) 250 x 100mm unequal tee	No	2		
5.2.6		Reducers				
		a) 250 x 200mm reducer	No	1		
	8.2.8	MARKER POSTS	No	13		
5.3	8.2	ROAD CROSSINGS				
		Rate includes all necessary layerworks and asphalt reinstatement for road repairs associated with pipeline crossings				
5.3.1		a) 250mm	m ²	96		
	SABS 1200 LG	PIPE JACKING				
5.3.2		b) Pipe Jacking (Crossing under a Provincial Road - R568)	sum	1		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
5.4		VALVES				
	8.2.3	Extra-over on item 8.2.1 for the supplying, handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes and valve testing. CI gate to SANS 0664, Class 10, ends socketted for uPVC pipes to SANS 0996, non-rising spindle, LH closing				
5.4.1		a) 250mm Isolation Valve	No	2		
		b) 100mm Air Release Valve	No	10		
		c) 150mm Scour Valve	No	2		
		Anchor/thrust blocks and pedestals:				
		Air Valves	No	10		
		Scour Valves	No	2		
5.5	8.2.3	CHAMBERS				
5.5.1		a) Construction of a isolating valve chamber complete as indicated on drawings	No	2		
		b) Construction of a air release valve chamber complete as indicated on drawings	No	10		
		c) Construction of a scour valve chamber complete as indicated on drawings	No	2		
TOTAL CARRIED FORWARD						

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WORK PACKAGE 1 - 2025/2026 FINANCIAL YEAR		
SECTION	DESCRIPTION	AMOUNT
Schedule 1:	PRELIMINARY AND GENERAL	
Schedule 2:	MAHLABATHINI BULKLINE	
SUB-TOTAL 1		
CONTINGENCIES (10%)		
SUB-TOTAL 2 (Sub-Total 1 + 10% Contingencies)		
ADD VAT (15%)		
TOTAL PROJECT BUDGET (Sub-Total 2 + 15% VAT)		



WORK PACKAGE 2 – IMPLEMENTATION YEAR: 2026/2027 FINANCIAL YEAR

NOTES TO TENDERERS:

- 1. RATES IN THIS SECTION OF THE BILL OF QUANTITIES (WORK PACKAGE 2) TO FACTOR IN PRICE INCREASES ON MATERIAL, LABOUR, DIESEL AND PLANT FOR THE FINANCIAL YEAR 2026/2027**



Item	Payment	Description	Unit	Qty	Rate	Amount
		PRELIMINARY AND GENERAL				
1.1	SABS 1200 A 8.3	SECTION : PRELIMINARY AND GENERAL FIXED-CHARGE ITEMS				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establish Facilities on the Site:				
1.1.3	PSA 8-3	a) Facilities for Engineer	Sum	1		
1.1.4		b) Facilities for Contractor				
1.1.5		Offices and storage sheds	Sum	1		
1.1.6		Ablution and latrine facilities	Sum	1		
1.1.7		Tools and equipment	Sum	1		
1.1.8		Water supplies, electric power and communications	Sum	1		
1.1.9		Dealing with water (Subclause 5.5)	Sum	1		
1.1.10	8.3.3	Other fixed-charge obligations	Sum	1		
1.2	8.4	TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements	Month	8		
1.2.2	8.4.2	Operate and maintain facilities on the Site:				
1.2.3	PSA 8-4	a) Facilities for Engineer	Month	8		
1.2.4	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated				
1.2.5	8.4.2.2.1	Offices and storage sheds	Month	8		
1.2.6	8.4.2.2.2	Ablution and latrine facilities	Month	8		
1.2.7	8.4.2.2.3	Tools and equipment	Month	8		
1.2.8	8.4.2.2.4	Water supplies, electric power and communications	Month	8		
1.2.9	8.4.2.2.5	Dealing with water (Subclause 5.5)	Month	8		
1.2.10	8.4.2.2.6	Access (Subclause 5.8)	Month	8		
1.3	8.4.3	Supervision	Month	8		
1.4	8.4.4	Company and head office overhead costs	Month	8		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.5	8.4.5	Other time-related obligations	Month	8		
1.6		Payment for a Community Liaison Officers (R14000/month)	Month	8	14 000,00	R 112 000,00
1.7		Nameboard - 2No	Sum			
1.8		Compliance with the Occupational Health and Safety Requirements for the duration of the contract	Sum	1		
	8,5	Provisional Sums stated by the Engineer				
		Scheduled fixed-charge and value-related items:				
1.9		Fixed preliminary and general charges	Sum	1		
1.10		Value-related preliminary and general charges	Sum	1		
		Scheduled time-related items:				
1.11		Time-related preliminary and general charges	Sum	1		
1.12	PSA8-5	i) Training allowance paid to targeted labour in terms of formal training	Prov Sum			
1.13		ii) Extra-over for the administration of payment of training allowances to targeted labour (max.10%)	%			
	8,6	Prime cost sums:				
1.14		Additional tests required by the engineer	PC Sum	1	90 010,50	R 90 010,50
1.15		Charge required by contractor on subitem PC Sum above	%	90 010,50		
	8.8.4	Location (including Provision of underground detecting devices) , protection and relocation of existing services for::				
1.16		Water and sewer pipes	Prov Sum			
1.17		Electrical and other services	Prov Sum			
		Charge required by contractor on sub item Prov Sum above	%			
		Hand excavation necessary for locating and exposing existing services in all materials:				
1.18		In roadways	m ³	22		
1.19		In all other areas	m ³	30		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.20		Compensation in terms of subsubclause 57(4)(b)(ii) for delays due to the circumstances described in subclauses 57(1) and (2) of the general conditions of contract, as amended	day		10 500,00	
1.2.1		Enterprise Development of Targeted Enterprise or JV Partners				
1.2.1.1		Needs Analysis and Enterprise Development Plan per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.2.1.2		Monitoring and Interim reporting per targeted Enterprise (Provisional Sum)	Per Quarter	4	20 000,00	R 80 000,00
1.2.1.3		Project Completion report per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.30		Preferential Local Sub-contracting				
1.3.1		Procurement for subcontracting to local SMME's	Prov Sum	1	3 497 660,00	R 3 497 660,00
1.3.2		Contractor's mark-up for attendance and assistance to work as allocated to local SMME's subcontractors	%	3 497 660,00		
TOTAL CARRIED TO SUMMARY: PRELIMINARY AND GENERAL						



Item	Payment	Description	Unit	Qty	Rate	Amount
7	SABS 1200 C	SITE CLEARANCE				
7.1	8.2.1	Clear and grub	ha	0,65		
8	SABS 1200 DB	EARTHWORKS (PIPE TRENCHES)				
	8.3.1	Site Clearance				
	8.3.2	Excavation				
		(i) For trenches up to 1,5 m in depth, using conventional construction methods				
		Over and up to				
8.1		0 m 1,5 m	m ³	8161		
		(b) Extra-over item (a), above, for:				
8.2		i) Intermediate excavation	m ³	2448		
8.3		ii) Hard rock excavation (the rate should be inclusive of other methods of excavation/drilling/rock breaking)	m ³	2040		
	8.3.3	Excavation Ancillaries				
	8.3.3.1	Make up deficiency in backfill material (provisional):				
8.4		(a) from other necessary excavations on site	m ³	1632		
8.5		(b) by importation from commercial or off- site sources selected by the contractor	m ³			
8.6	8.3.3.3	Compaction in road reserves	m ³	2448		
8.7	PSDB 8.3.5 (a)	Services that intersect a trench				
8.8		a) Water house connections.	No			
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
8.9	PSDB 8.3.5(b)	f) Cables.				
8.10		g) Kerbs and channels.	m			
8.11	PSDB 8.3.5(b)	Services that adjoin a trench	No			
8.12		a) Cables.	No	30		
8.14	PSDB 8.3.6.1(c)	Services that require special care	No	30		
8.14	PSDB 8.3.5(d)	Trees in construction path	No	80		
8.15	PSDB 8.3.6.1(a)	Re-instate unreinforced concrete, complete	m ²	75		
8.16	PSDB 8.3.6.1(b)	Re-instate grass sods, complete	m ²	350		
	SANS 1200DA 8.3.10	Top soiling including trimming, filling, topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled material.				
9	SABS 1200 LB	BEDDING (PIPES)				
	8.2.1	Provision of bedding from trench excavation				
9.1		(a) Selected granular material for bedding	m ³	783		
9.2		(b) Blanket Fill	m ³	527		
9.3		(c) Main fill material	m ³	2939		
	8.2.2.1	From other necessary excavation				
9.4		(a) Selected granular material for bedding	m ³	157		
9.5		(b) Blanket fill material	m ³	105		
9.5		(c) Main fill material	m ³	588		
	8.2.2.3	From commercial sources (Provisional)				
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
10	SABS 1200 L	MEDIUM PRESSURE PIPELINES				
	8.2.1	Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters				
		uPVC pipes (Class 12)				
10.1		a) 75mm diameter	m			
10.2		b) 200mm diameter	m	8160,92		
	8.2.2	Extra over item 8.3.1 for the supplying, laying and bedding of specials complete with couplings (Fittings of PVC pipes, Cast Iron or Aluminium)				
		Bends				
		11.5 degree bends				
10.3		a) 75 mm	No			
10.4		b) 200 mm	No	69		
		22.5 degree bends				
10.5		a) 75 mm	No			
10.6		b) 200 mm	No	31		
		45 degree bends				
10.7		a) 75 mm	No			
10.8		b) 200mm	No	13		
		90 degree bends				
10.9		a) 75 mm	No			
10.10		b) 200 mm	No	13		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
		Saddles and uPVC pipe tees:				
10.11		a) 75mm equal tee	No			
10.12		b) 200mm equal tee	No	31		
10.13		b) 75 x 32mm reducing saddles	No			
10.14		c) 200x 75mm reducing saddles	No			
		Reducers				
		ROAD CROSSINGS (2m wide road crossing)				
10.15		Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings	No	20		
		VALVES				
	8.2.3	Extra-over on item 8.2.1 for the supplying, handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes and valve testing. CI gate to SANS 0664, Class 10, ends socketted for uPVC pipes to SANS 0996, non-rising spindle, LH closing				
10.16		a) 75mm	No			
10.17		a) 200mm	No	23		
		Anchor/thrust blocks and pedestals:				
		Concrete:				
10.18		Class . (15). . MPa/19 mm	m ³	92		
	8.2.3	CHAMBERS				
10.19		Valves and hydrant chambers complete with step irons, cover and frames as per applicable drawing, up to 1.5m depth.	No	41		
10.20		Yard connection complete with apron and soak away and plastic taps	No			
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
10.21	8.2.13	Construction of fire hydrants complete as detailed in drawing	No.	5		
		ERF CONNECTIONS (WATER)				
10.22		Water meter				
		25mm Kent KSM meter +plus box DW407	No			
TOTAL CARRIED FORWARD TO SUMMARY: SCHEDULE 2						



WORK PACKAGE 2 - 2026/2027 FINANCIAL YEAR		
SECTION	DESCRIPTION	AMOUNT
Schedule 1:	PRELIMINARY AND GENERAL	
Schedule 2:	MAHLABATHINI MAIN RING FEEDER	
SUB-TOTAL 1		
CONTINGENCIES (10%)		
SUB-TOTAL 2 (Sub-Total 1 + 10% Contingencies)		
ADD VAT (15%)		
TOTAL PROJECT BUDGET (Sub-Total 2 + 15% VAT)		



WORK PACKAGE 3 – IMPLEMENTATION YEAR: 2027/2028 FINANCIAL YEAR

NOTES TO TENDERERS:

- 1. RATES IN THIS SECTION OF THE BILL OF QUANTITIES (WORK PACKAGE 3) TO FACTOR IN PRICE INCREASES ON MATERIAL, LABOUR, DIESEL AND PLANT FOR THE FINANCIAL YEAR 2027/2028**



Item	Payment	Description	Unit	Qty	Rate	Amount
1.1	SABS 1200 A 8.3	PRELIMINARY AND GENERAL SECTION : PRELIMINARY AND GENERAL FIXED-CHARGE ITEMS				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establish Facilities on the Site:				
1.1.3	PSA 8-3	a) Facilities for Engineer	Sum	1		
1.1.4		b) Facilities for Contractor				
1.1.5		Offices and storage sheds	Sum	1		
1.1.6		Ablution and latrine facilities	Sum	1		
1.1.7		Tools and equipment	Sum	1		
1.1.8		Water supplies, electric power and communications	Sum	1		
1.1.9		Dealing with water (Subclause 5.5)	Sum	1		
1.1.10	8.3.3	Other fixed-charge obligations	Sum	1		
1.2	8.4	TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements	Month	8		
1.2.2	8.4.2	Operate and maintain facilities on the Site:				
1.2.3	PSA 8-4	a) Facilities for Engineer	Month	8		
1.2.4	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated				
1.2.5	8.4.2.2.1	Offices and storage sheds	Month	8		
1.2.6	8.4.2.2.2	Ablution and latrine facilities	Month	8		
1.2.7	8.4.2.2.3	Tools and equipment	Month	8		
1.2.8	8.4.2.2.4	Water supplies, electric power and communications	Month	8		
1.2.9	8.4.2.2.5	Dealing with water (Subclause 5.5)	Month	8		
1.2.10	8.4.2.2.6	Access (Subclause 5.8)	Month	8		
1.3	8.4.3	Supervision	Month	8		
1.4	8.4.4	Company and head office overhead costs	Month	8		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.5	8.4.5	Other time-related obligations	Month	8		
1.6		Payment for a Community Liaison Officers (R14000/month)	Month	8	14 000,00	R 112 000,00
1.7		Nameboard - 2No	Sum			
1.8		Compliance with the Occupational Health and Safety Requirements for the duration of the contract	Sum	1		
	8,5	Provisional Sums stated by the Engineer				
		Scheduled fixed-charge and value-related items:				
1.9		Fixed preliminary and general charges	Sum	1		
1.10		Value-related preliminary and general charges	Sum	1		
		Scheduled time-related items:				
1.11		Time-related preliminary and general charges	Sum	1		
1.12	PSA8-5	i) Training allowance paid to targeted labour in terms of formal training	Prov Sum			
1.13		ii) Extra-over for the administration of payment of training allowances to targeted labour (max.10%)	%			
	8,6	Prime cost sums:				
1.14		Additional tests required by the engineer	PC Sum	1	90 010,50	R 90 010,50
1.15		Charge required by contractor on subitem PC Sum above	%	90 010,50		
	8.8.4	Location (including Provision of underground detecting devices) , protection and relocation of existing services for::				
1.16		Water and sewer pipes	Prov Sum	1	100 000,00	R 100 000,00
1.17		Electrical and other services	Prov Sum	1	82 500,00	R 82 500,00
		Charge required by contractor on sub item Prov Sum above	%	182 500,00		
		Hand excavation necessary for locating and exposing existing services in all materials:				
1.18		In roadways	m ³	50		
1.19		In all other areas	m ³	30		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
1.20		Compensation in terms of subsubclause 57(4)(b)(ii) for delays due to the circumstances described in subclauses 57(1) and (2) of the general conditions of contract, as amended	day		10 500,00	
1.2.1		Enterprise Development of Targeted Enterprise or JV Partners				
1.2.1.1		Needs Analysis and Enterprise Development Plan per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.2.1.2		Monitoring and Interim reporting per targeted Enterprise (Provisional Sum)	Per Quarter	4	20 000,00	R 80 000,00
1.2.1.3		Project Completion report per Targeted Enterprise (Provisional Sum)	No	4	5 000,00	R 20 000,00
1.30		Preferential Local Sub-contracting				
1.3.1		Procurement for subcontracting to local SMME's	Prov Sum	1	3 628 085,28	R 3 628 085,28
1.3.2		Contractor's mark-up for attendance and assistance to work as allocated to local SMME's subcontractors	%	3 628 085,28		
TOTAL CARRIED TO SUMMARY: PRELIMINARY AND GENERAL						



Item	Payment	Description	Unit	Qty	Rate	Amount
7	SABS 1200 C	SITE CLEARANCE				
7.1	8.2.1	Clear and grub	ha	2,12		
8	SABS 1200 DB	EARTHWORKS (PIPE TRENCHES)				
	8.3.1	Site Clearance				
	8.3.2	Excavation				
		(i) For trenches up to 1,5 m in depth, using conventional construction methods				
		Over and up to				
8.1		0 m 1,5 m	m ³	10500		
		(b) Extra-over item (a), above, for:				
8.2		i) Intermediate excavation	m ³	3150		
8.3		ii) Hard rock excavation (the rate should be inclusive of other methods of excavation/drilling/rock breaking)	m ³	4200		
	8.3.3	Excavation Ancillaries				
	8.3.3.1	Make up deficiency in backfill material (provisional):				
8.4		(a) from other necessary excavations on site	m ³	1575		
8.5		(b) by importation from commercial or off-site sources selected by the contractor	m ³			
8.6	8.3.3.3	Compaction in road reserves	m ³	3150		
8.7	PSDB 8.3.5 (a)	Services that intersect a trench				
8.8		a) Water house connections.	No	805		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
8.9	PSDB 8.3.5(b)	f) Cables.				
8.10		g) Kerbs and channels.	m			
8.11	PSDB 8.3.5(b)	Services that adjoin a trench	No			
8.12		a) Cables.	No	30		
8.14	PSDB 8.3.6.1(c)	Services that require special care	No	30		
8.14	PSDB 8.3.5(d)	Trees in construction path	No	80		
8.15	PSDB 8.3.6.1(a)	Re-instate unreinforced concrete, complete	m ²	75		
8.16	PSDB 8.3.6.1(b)	Re-instate grass sods, complete	m ²	350		
	SANS 1200DA 8.3.10	Top soiling including trimming, filling, topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled material.				
9	SABS 1200 LB	BEDDING (PIPES)				
	8.2.1	Provision of bedding from trench excavation				
9.1		(a) Selected granular material for bedding	m ³	932		
9.2		(b) Blanket Fill	m ³	627		
9.3		(c) Main fill material	m ³	1533		
	8.2.2.1	From other necessary excavation				
9.4		(a) Selected granular material for bedding	m ³	93		
9.5		(b) Blanket fill material	m ³	63		
9.5		(c) Main fill material	m ³	153		
	8.2.2.3	From commercial sources (Provisional)				
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
10	SABS 1200 L	MEDIUM PRESSURE PIPELINES				
	8.2.1	Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters				
		uPVC pipes (Class 12)				
10.1		a) 75mm diameter	m	9712,00		
10.2		b) 200mm diameter	m			
	8.2.2	Extra over item 8.3.1 for the supplying, laying and bedding of specials complete with couplings (Fittings of PVC pipes, Cast Iron or Aluminium)				
		Bends				
		11.5 degree bends				
10.3		a) 75 mm	No	142		
10.4		b) 200 mm	No			
		22.5 degree bends				
10.5		a) 75 mm	No	69		
10.6		b) 200 mm	No			
		45 degree bends				
10.7		a) 75 mm	No	36		
10.8		b) 200mm	No			
		90 degree bends				
10.9		a) 75 mm	No	38		
10.10		b) 200 mm	No			
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
		Saddles and uPVC pipe tees:				
10.11		a) 75mm equal tee	No	145		
10.12		b) 200mm equal tee	No			
10.13		b) 75 x 32mm reducing saddles	No	366		
10.14		c) 200x 75mm reducing saddles	No	57		
		Reducers				
		ROAD CROSSINGS (2m wide road crossing)				
10.15		Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings	No	20		
		VALVES				
	8.2.3	Extra-over on item 8.2.1 for the supplying, handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes and valve testing. CI gate to SANS 0664, Class 10, ends socketted for uPVC pipes to SANS 0996, non-rising spindle, LH closing				
10.16		a) 75mm	No	17		
10.17		a) 200mm	No			
		Anchor/thrust blocks and pedestals:				
		Concrete:				
10.18		Class . (15). . MPa/19 mm	m ³	46		
	8.2.3	CHAMBERS				
10.19		Valves and hydrant chambers complete with step irons, cover and frames as per applicable drawing, up to 1.5m depth.	No	21		
10.20		Yard connection complete with apron and soak away and plastic taps	No	414		
TOTAL CARRIED FORWARD						



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BROUGHT FORWARD						
10.21	8.2.13	Construction of fire hydrants complete as detailed in drawing	No.	5		
		ERF CONNECTIONS (WATER)				
10.22		Water meter				
		25mm Kent KSM meter +plus box DW407	No	414		
TOTAL CARRIED FORWARD TO SUMMARY: SCHEDULE 2						



WORK PACKAGE 3 - 2027/2028 FINANCIAL YEAR		
SECTION	DESCRIPTION	AMOUNT
Schedule 1:	PRELIMINARY AND GENERAL	
Schedule 2:	MAHLABATHINI WATER RETICULATION	
SUB-TOTAL 1		
CONTINGENCIES (10%)		
SUB-TOTAL 2 (Sub-Total 1 + 10% Contingencies)		
ADD VAT (15%)		
TOTAL PROJECT BUDGET (Sub-Total 2 + 15% VAT)		



THEMBISILE HANI LOCAL MUNICIPALITY



UPGRADING OF MAHLABATHINI WATER INFRASTRUCTURE

CALCULATION OF TENDER SUM

ITEM	AMOUNT
TOTAL SCHEDULE 1: SUB-TOTAL 2 OF WORK PACKAGE 1	
TOTAL SCHEDULE 2: SUB-TOTAL 2 OF WORK PACKAGE 2	
TOTAL SCHEDULE 3: SUB-TOTAL 2 OF WORK PACKAGE 3	
SUB-TOTAL A (SUM OF WORK PACKAGES 1, 2 & 3) (TOTAL EXCL. VAT)	
ADD 15% VAT (15% of SUB-TOTAL A)	
TENDER (CONTRACT) PRICE CARRIED TO FORM OF OFFER OF ACCEPTANCE (SUB-TOTAL A + 15% VAT)	

Note: Tender Sum is the value of the offered total of the prices inclusive of VAT, Contingencies, CPA and specials materials but including contractual variations.

SIGNED ON BEHALF OF TENDERER:

DATE: