

UPGRADING OF MAHLABATHINI WATER INFRASTRUCTURE

(BILL OF QUANTITIES)



WORK PACKAGE 1 –

IMPLEMENTATION YEAR: 2025/2026 FINANCIAL YEAR



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		
		Establish Facilities on the Site:	Sum	1		
1.1.2	8.3.2			4		
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 CA	RRIED FOI	RWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BI	ROUGHT FO	DRWARD				
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		
l	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 CA	RRIED FOI	RWARD				



Item	Payment	Description	Unit	Qty	Rate		Amount
TOTAL BE	ROUGHT FO	DRWARD					
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 attandance and assistance to work as allocated to local SMME's subcontractors	%	3 140 687,82			
TOTAL CA	ARRIED TO	SUMMARY: PRELIMINARY AND GENERAL					



SUTIMOND ENTIN								
Item	Payment	Description	Unit	Qty	Rate	Amount		
2.1	SABS	SITE CLEARANCE						
2.1	1200 C	SITE GLEARANGE						
	8.2.1	Clear and grub	ha	1				
	8.2.1	Clear and grub	ha	1				
3.1	SABS	EADTHMODIC (DIDE TRENCHES)						
3.1	1200 DB	EARTHWORKS (PIPE TRENCHES)						
	8.3.1	Site Clearance						
	8.3.1	Site Clearance						
	8.3.2	Excavation						
		(i) For trenches up to 1 m in depth, using						
		labour intesive construction methods						
		Over and up to						
		•						
		0.5 m 1 m	m ³	3780				
		(i) For trenches over 1 m in depth, using						
		conventional construction methods						
		Over and up to						
3.1.1		1	m ³	2570				
3.1.1		1 m 1.5 m	III	3570				
		(b) Extra-over item (a), above, for:						
3.1.3		i) Intermediate excavation	m ³	2940				
3.1.3		ij intermediate excavation	111	2,740				
		ii) Hard rock excavation (the rate should						
3.1.4		be inclusive of other methods of	m ³	3308				
		excavation/drilling/rock breaking)						
	SABS							
4.1	1200 LB	BEDDING (PIPES)						
	8.2.1	Provision of bedding from trench						
		excavation						
4.1		(-) (-) (-)	m ³	1260				
4.1		(a) Selected granular material for bedding	m ⁻	1260				
4.2		(h) Calanta d Cll material	3	071				
4.2		(b) Selected fill material	m ³	871				
4.3		(c) Main fill material	m ³	2010				
TOTAL	I CADDIER	FORWARD						
IUIA	L CANKIEL	IUNINALD	1					



Item	Payment	Description	Unit	Qty	Rate	Amount
тота	L BROUGH	T 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		
F.0	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	m²	96		
	SABS 1200 LG	PIPE JACKING				
5.3.2		b) Pipe Jacking (Crossing under a Provincial Road - R568)	sum	1		
		FORWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
тота	L BROUGH	T 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		
тота	L CARRIED	FORWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
гота	L BROUGH	T FORWARD				
6		METED INCTALLATION				
6		METER INSTALLATION				
		COMPLETE MEED CHAMPED				
6.1		COMPLETE MEER CHAMBER INSTALLATION				
		Supply and install Meter Chamber Assemblies including all valves, spool pieces, fittings and bends (to include for internal and external S.F.E coating unless otherwise stated) for the following diameters:				
		diameters.				
		(ii) DN300	No	7		
ОТА	L CARRIED	FORWARD TO SUMMARY: SCHEDULE 2				



	WORK PACKAGE 1 - 2025/2026 FINANCIAL YEAR						
SECTION	DESCRIPTION	AMOUNT					
Schedule 1:	PRELIMINARY AND GENERAL						
Schedule 2:	MAHLABATHINI BULKLINE						
SUB-TOTAL 1							
CONTINGENCIE	ES (10%)						
SUB-TOTAL 2	(Sub-Total 1 + 10% Contingencies)						
ADD VAT (15%)						
TOTAL PROJEC	T 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				
	SABS 1200 A	SECTION: PRELIMINARY AND GENERAL				
1.1	8.3	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 CA	RRIED FO	RWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BR	OUGHT FO	DRWARD				
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 CA	RRIED FOI	RWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BE	ROUGHT FO	DRWARD				
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 attandance and assistance to work as allocated to local SMME's subcontractors	%	3 497 660,00		
TOTAL CA	ARRIED 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			
TOTA	I CARRIER	FORWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
ГОТАІ	L BROUGH	T FORWARD				
8.9	PSDB 8.3.5(b)	f) Cables.				
8.10		g) Kerbs and channels.	m			
3.11	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)				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTA	L BROUGH	T 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		
ТОТА	 L CARRIED) FORWARD				



10.11 10.12 10.13 10.15 8.2 10.16 10.17	Saddles and uPVC pipe tees: a) 75mm equal tee b) 200mm equal tee b) 75 x 32mm reducing saddles c) 200x 75mm reducing saddles Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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,	No No No No	20	
10.12 10.13 10.14 10.15	a) 75mm equal tee b) 200mm equal tee b) 75 x 32mm reducing saddles c) 200x 75mm reducing saddles Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No No		
10.12 10.13 10.14 10.15	b) 200mm equal tee b) 75 x 32mm reducing saddles c) 200x 75mm reducing saddles Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No No		
10.13 10.14 10.15 8.2	b) 75 x 32mm reducing saddles c) 200x 75mm reducing saddles Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No No		
10.14	c) 200x 75mm reducing saddles Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No	20	
10.15	Reducers ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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		20	
10.16	ROAD CROSSINGS (2m wide road crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No	20	
10.16	crossing) Rate includes all necessary layerworks and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No	20	
10.16	and asphalt/concrete block paving reinstatement for road repairs associated with pipeline crossings VALVES 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	No	20	
10.16	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			
10.16	handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes			
	Class 10, ends socketted for uPVC pipes to SANS 0996, non-rising spindle, LH closing			
10.17	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 CAR	Soak away and plastic taps			



Item	Payment	Description	Unit	Qty	Rate	Amount
тота	L BROUGH	T 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			
тота	L CARRIED	FORWARD TO SUMMARY: SCHEDULE 2				



	AL YEAR	
SECTION	DESCRIPTION	AMOUNT
Schedule 1:	PRELIMINARY AND GENERAL	
Schedule 2:	MAHLABATHINI MAIN RING FEEDER	
SUB-TOTAL 1		
CONTINGENCI	ES (10%)	
SUB-TOTAL 2	(Sub-Total 1 + 10% Contingencies)	
ADD VAT (15%)	
TOTAL PROJEC	T 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
		PRELIMINARY AND GENERAL				
	SABS	SECTION: PRELIMINARY AND GENERAL				
1.1	1200 A 8.3	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 C	IDDIES ES	DWARD				
TOTAL CA	ARRIED FO	KWAKD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BI	ROUGHT FO	DRWARD				
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 CA	ARRIED FO	RWARD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTAL BI	ROUGHT FO	DRWARD				
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 attandance and assistance to work as allocated to local SMME's subcontractors	%	3 628 085,28		
TOTAL CA	ARRIED 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		
тота	I CADDIER	FORWARD				



B.9	tem Payment	Description	Unit	Qty	Rate	Amount
1	OTAL BROUGH	T FORWARD				
8.10						
Re-instate unreinforced concrete, complete m² 350	g q i	f) Cables.				
8.12 a) Cables. 8.14 PSDB 8.3.6.1(c) 8.15 PSDB 8.3.6.1(a) 8.16 Re-instate unreinforced concrete, complete 8.16 RS.3.6.1(b) 8.17 PSDB 8.3.6.1(a) 8.18 PSDB 8.3.6.1(a) 8.19 PSDB 8.3.6.1(a) 8.10 PSDB 8.3.6.1(a) 8.11 PSDB 8.3.6.1(a) 8.12 PSDB Re-instate unreinforced concrete, complete 8.15 PSDB 8.3.6.1(a) 8.16 PSDB 8.3.6.1(a) 8.17 PSDB 8.3.6.1(a) 8.18 PSDB Re-instate unreinforced concrete, complete 8.19 PSDB 8.3.6.1(a) 8.10 PSDB 8.3.6.1(a) 8.11 PSDB 8.3.6.1(a) 8.12 PSDB Re-instate unreinforced concrete, complete 8.15 PSDB 8.3.6.1(a) 8.16 PSDB 8.3.6.1(a) 8.17 PSDB 8.3.6.1(a) 8.18 PSDB Re-instate unreinforced concrete, complete 8.19 PSDB 8.3.6.1(a) 8.10 PSDB Re-instate unreinforced concrete, complete 8.11 PSDB Re-instate unreinforced concrete, complete 8.12 PSDB Re-instate unreinforced concrete, complete 8.12 PSDB Re-instate unreinforced concrete, complete 8.13 Complete Re-instate unreinforced concrete, complete 8.14 PSDB Re-instate unreinforced concrete, complete 8.15 PSDB Re-instate unreinforced concrete, complete Re-instate	3.10	g) Kerbs and channels.	m			
PSDB 8.36.1(c) Services that require special care No 30	111	Services that adjoin a trench	No			
8.14 8.36.1(c) Services that require special care No 30	3.12	a) Cables.	No	30		
8.15 8.3.5(d) Frees in construction path No 80 8.15 PSDB 8.3.6.1(a complete m² 75 8.16 PSDB 8.3.6.1(b) Re-instate unreinforced concrete, complete m² 350 8.17 SANS 1200DA 8.3.10	R 1 Δ. I	Services that require special care	No	30		
8.15 8.3.6.1(a complete		Trees in construction path	No	80		
8.3.6.1(b) SANS 1200DA 8.3.10 SANS 1200DA 8.3.10 SABS 1200 LB BEDDING (PIPES) 8.2.1 Provision of bedding from trench excavation 9.1 (a) Selected granular material for bedding m³ 932 9.2 (b) Blanket Fill m³ 627 9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.6 (c) Main fill material m³ 63 9.7 (c) Main fill material m³ 63 9.8 (c) Main fill material m³ 63 9.9 (c) Main fill material m³ 63 9.5 (c) Main fill material m³ 153	3151		m ²	75		
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 m³ 932 9.2 (b) Blanket Fill m³ 627 9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 153 9.7 (c) Main fill material m³ 153 9.8 (c) Main fill material m³ 153	3161	Re-instate grass sods, complete	m ²	350		
9 1200 LB BEDDING (PIPES) 8.2.1 Provision of bedding from trench excavation 9.1 (a) Selected granular material for bedding m³ 932 9.2 (b) Blanket Fill m³ 627 9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.7 (c) Main fill material m³ 63 9.8 (c) Main fill material m³ 153	1200DA	topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled				
9.1 (a) Selected granular material for bedding m³ 932 9.2 (b) Blanket Fill m³ 627 9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.7 (c) Main fill material m³ 63 9.8 (c) Main fill material m³ 153		BEDDING (PIPES)				
9.2 (b) Blanket Fill m³ 627 9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.5 (c) Main fill material m³ 153	8.2.1					
9.3 (c) Main fill material m³ 1533 8.2.2.1 From other necessary excavation 9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.5 (c) Main fill material m³ 153	9.1	(a) Selected granular material for bedding	m ³	932		
9.4 (a) Selected granular material for bedding m³ 93 (b) Blanket fill material m³ 63 (c) Main fill material m³ 153	9.2	(b) Blanket Fill	m ³	627		
9.4 (a) Selected granular material for bedding m³ 93 9.5 (b) Blanket fill material m³ 63 9.5 (c) Main fill material m³ 153	9.3	(c) Main fill material	m ³	1533		
9.5 (b) Blanket fill material m³ 63 9.5 (c) Main fill material m³ 153	8.2.2.1	From other necessary excavation				
9.5 (c) Main fill material m³ 153	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)	8.2.2.3	From commercial sources (Provisional)				
TOTAL CARRIED FORWARD	IOTAL CARRE	PODMADD				



Item	Payment	Description	Unit	Qty	Rate	Amount
TOTA	L BROUGH	T 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			
ТОТА	L CARRIED	FORWARD				



10.11	BROUGH	T FORWARD Saddles and uPVC pipe tees: a) 75mm equal tee b) 200mm equal tee	No No	145	
10.12		a) 75mm equal tee b) 200mm equal tee		145	
10.12		b) 200mm equal tee		145	
10.13			No		
1014		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	
TOTAI	CARRIFO	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				
CONTINGENCIE	ES (10%)			
SUB-TOTAL 2	(Sub-Total 1 + 10% Contingencies)			
ADD VAT (15%				
TOTAL PROJEC	T 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.
SIGNE	ED ON BEHALF OF TENDERER:
DATE:	·