

CONTRACT UGU-07-1601-2021

CIDB CLASSIFICATION: 3CE OR HIGHER

REQUEST FOR A PANEL FOR THE CONSTRUCTION OF NEW BOREHOLES AND THE REFURBISHMENT OF EXISTING BOREHOLES WITHIN UGU DISTRICT FOR A PERIOD OF 36 MONTHS

ADDENDUM NO. 01 TO TENDER DOCUMENT, issued on 27 January 2022

Reference is made to the BOQ of the above mentioned Bid for Contract No: UGU-07-1601-2021. The following amendments on the BOQ are affected by this addendum:

Part of Tender	Description of amendment
Bill of Quantities	Replace the Bill of Quantities with the attached
	revised one.

Issued By:
Nkosi Malishe On Behalf Ugu District Municipality
Addendum No. 01 to Tender Documentation for Contract No: UGU-07-1601-2021
I
behalf of

Signed: Date:

Name:	
Position:	
Contract No:	

ANNEXURE A

BILL OF QUANTITIES



CONTRACT UGU-07-1601-2021

CIDB CLASSIFICATION: 3CE OR HIGHER

REQUEST FOR A PANEL FOR THE CONSTRUCTION OF NEW BOREHOLES AND THE REFURBISHMENT OF EXISTING BOREHOLES WITHIN UGU DISTRICT FOR A PERIOD OF 36 MONTHS

ADDENDUM NO. 03 TO TENDER DOCUMENT, issued on 10 February 2022

Reference is made to the BOQ of the above-mentioned Bid for Contract No: UGU-07-1601-2021. The following amendments on the BOQ are affected by this addendum:

Part of Tender	Description of amendment
Bill of Quantities	Please add the attached Spring Protection Bill to
	Part A, Part B and Part C of the Bill of Quantities
	(C2 Pricing Data). The total must be added on the
	Summary Page under Section E "Boreholes and
	Tank"

ssued By:	
Nkosi Malishe On Behalf Ugu District Municipality	
Addendum No. 03 to Tender Documentation for Contract No: UGU-07-1601-2021	
Name of Representative) hereby acknowledge receipt of Addendum No. 03 (3 pages) on

behalf of	(name of company).
Signed:	. Date:
Name:	
Position:	
Contract No:	

ANNEXURE A

SPRING PROTECTION BILL

Item Ref	Payment R	Description	Unit	Quantity	Rate	Amount (R)
E		SPRING PROTECTIONS				
		SPRING PROTECTION				
E.1		FOUNDATIONS				
	SABS 1200-					
E.1.1	С	Setting out of foundations	Sum	5		
		Spring protection excavation including all boulders and				
E.1.2		shoring up of excavated sides	m^3	120		
E.1.3		Extra-over items to above for excavation in:				
E.1.3.1		Intermediate material	m^3	20		
E.1.3.2		Hard rock material	m^3	10		
E.2		FILL MATERIAL				
		Supply and install river stone fill (100mm - 200mm dia) to				
E.2.1		inside of spring protection	m^3	120		
E.2.2		Supply and install bidum on top of stone fill.	m²	90		
		Supply and install 50mm layer of river sand to level top of				
E.2.3		spring.	m^3	5		
E.3		WATER DIVERSION				
		Allow an amount to divert water throughout the weir				
E.3.1		construction period.	Sum	5		
E.4		ANCHORING				
		Dril 18mm dia. holes min.				
		800mm deep @ 300mm centers				
		into river rockbed to take Y16				
E.4.1		anchor bars measured elsewhere.	hole	10		
		Embed Y16 bars (measured				
		elsewhere) in rockbed with				
		'SAMSON-SUPERFLOW BEDDING				
E.4.2		GROUT' or similar (800mm deep) approved.	No	30		
E.5		REINFORCING				
		Y 16 anchor bars cut on site				
		in lenghts of 1000mm - 2800mm				
E.5.1		as required.	kg	50		
E.5.2		Y 12 reinforcing in spring wall and cover slab.	kg	50		
CARRIED	FORWARD					

Item Ref	Payment Re	Description	Unit	Quantity	Rate	Amount (R)
ROUGHT	FORWARD					
E.6		SPRING BASE				
E.6.1		Supply and fixing of shuttering to spring base	m²	50		
E.6.2		Supply and place 30 MPa concrete to spring base.	m³	25		
		E.O to above, supply and place				
		30 MPa mass concrete to fill				
		uneven riverbed to level				
		surface, although this must be				
		cast simultaneously with weir				
E.6.3		base concrete.	m³	10		
E.7		SPRING WALLS AND COVER SLAB				
		Supply and fixing of smooth shuttering to spring wall				
E.7.1		including chamfers to all exposed concrete edges.	m²	150		
		Supply and place 30 MPa				
E.7.2		Concrete to spring wall.	m³	25		
E.7.3		Wood float top of wall	m²	10		
		Supply and install USB 375 micron on top of river sand				
E.7.4		before placing of concrete.	m²	150		
		Supply and fixing of smooth shuttering to side of spring				
E.7.5		cover slab, chamfers to all exposed concrete edges.	m²	20		
		Supply and place 30 MPa				
E.7.6		Concrete to spring wall.	m³	15		
		All piping and fittings shall be hot dipped galvanised to				
- 0	CARC 12001	SABS 763 specifications. All flanges to be T16. Refer to detailed drawings for the following				
E.8	SABS 1200L					
		(All piping to include galvanised nuts and bolts.)				
		gaivariised riuts arid boits.)				
		Supply and fit the following:				
		80mm dia Stainless steel pipe 500mm long with 1 x T16				
		flange and end cap with 3mm holes drilled as detailed				
E.8.1		No: 01.	No	5		
0						
		80mm dia Stainless steel pipe 500mm long with puddle				
E.8.2		flange and 2 x T16 flanges as detailed No: 02.	No	5		
		80mm dia Stainless steel pipe 300mm long with one end				
E.8.3		cap with 3mm holes drilled as detailed No: 03.	No	5		
E.8.4		80mm dia 90° bend, T16 flanged as detailed No: 04.	No	10		
		80mm dia Straight 600mm long, T16 flanged as detailed				
E.8.5		No: 05.	No	5		
E.8.6		80-50mm dia Concentric Reducer, T16 flanged.	No	5		
E.8.7		50mm HDPE x 2" Flange Adaptor T16 flanged.	No	5		
		600 x 600mm Lockable manhole				
E.8.8		cover & frame cast into chamber as per plan.	No	1		
CARRIED F	ORWARD TO	SUMMARY (SECTION E)				

PART A: AREA NORTH

ITEN#	DAVAGAT	DESCRIPTION	LINIT	QTY		ANGUNIT
ITEM	PAYMENT	DESCRIPTION	UNIT	Bill	RATE	AMOUNT
	SABS 1200	SECTION A: PRELIMINARY AND GENERAL				
	AA					
A.1	PSAA 8.2.1	Fixed - Charge Items (A.1 - A.11)				
A.1.1	8.3.1	Contractual requirements	Sum	1		
	8.3.2	Establish Facilities on Site				
A.2	8.3.2 (a)	Facilities for the Engineer (SABS 1200 AB):				
A.2.1		Nameboard as detailed on Drawing No. D02	Curro	1		
A2.2	PS-8.1	Furnished site office	Sum	1		
A.2.3		Survey equipment	Sum	1		
A.3	8.3.2 (b)	Facilities for the Contractor:				
A.3.1		Offices, storage sheds, workshops and living accommodation.	Sum	1		
A.3.2		Ablution and latrine facilities	Sum	1		
A.3.3		Tools, equipment and plant	Sum	1		
A.3.4		Water supplies, electric power, communications and access	Sum	1		
A.4		Dealing with water:				
A.4.1		Generally on site	Sum	1		
A.5	8.3.4	Remove Contractor's site establishment on completion	Sum	1		
A.7		Allowance for CLO	Sum	1	65 000.00	65 000.00
A.8		Compliance with requirements of the project OHS and Environmental Management Plan	Sum	1		
A.9		Provisional Sums	Sum	1	R190 000.00	190 000.00
	AL CARRIED FO					

SUBTOT	AL BROUG	HT FORWARD				
		OCCUPATIONAL HEALTH AND SAFETY				
	PS	Health and Safety				
A1.1		Fixed - Charge Items				
A1.1.1		Preparation of the Contractor's site specific Health and Safety Plan	Sum	1		
A1.1.2		Provision of Personal Protective Equipment (PPE)	Sum	1		
A1.1.3		Provision of a Construction Health and Safety Officer	Sum	1		
A1.2		Cost of medical certificates and medical surveillance:				
A1.2.1		Initial baseline medical examinations	Sum	1		
A1.2.2		Provision of First Aid Boxes to GSR requirements	Sum	1		
A1.2.3		Provisional Sum	Sum	1	R150 000.00	R150 000.00
IOTAL S	SECTION A	1 CARRIED TO SUMMARY				

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
112101		Discountient	0	Bill	10 112	7.11100111
	SABS 1200					
	DA					
B.1		GEOHYDROLOGICAL INVESTIGATIONS				
B.1.1	8.3.1(b)	Site verification Pre-Feasibility Ivestigation -	N°			
		Desktop Study and Expert Remote		2		
	8.3.1 (c)		N°			
B.1.1.1		Geophysical Investigaton	N°	2		
B.1.1.2		Travelling-	Km	890		
B.2	8.3.7	Accommodation	Day	2		
		Feasibility Report(recommendation and	N°			
		prescriptions)		2		
				2		
TOTAL F	OR SECTION E	L B CARRIED TO SUMMARY				
	T	Ī		QTY	<u> </u>	
ITEM	PAYMENT	DESCRIPTION	UNIT	Bill	RATE	AMOUNT
	SABS 1200			DIII		
	LB					
C.1		BOREHOLE DRILLING(MAX 120m) AND EQUIPPING WITH HAND PUMP				
C.1.2	8.2.1					
C.1.2.1		Establishment & De-establishment of				
0.4.0.0		Equipment on site(once off)	No.	2		
C.1.2.2		Mud Rotary Drilling from surface to bedrock (120m)	No.	2		
		Additional drilling (allowance for depths between 120m-150m)				
		,	No.	2		
C.1.3		Supply local hand pump(climax) Installation of pump and associated works	No.	2		
C.1.3.1		installation of pump and associated works	No.	2		
C.1.3.2		Head and concrete works around pump				
		installation	No.	2		
		Staff rate	No.	2		
C.1.4	8.2.4	LDV Travel	No.	2		
C.1.5		Water Quality testing	No.	2		
	OD CECTION (C1 CARRIED TO SUMMARY	-		Î	

		 			
C.2	BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH ELECTRIC PUMP(OPTIONAL)				
C2.1	Establishment & De-establishment of Equipment on site(once off)	No.	2		
C2.2	Mud Rotary Drilling from surface to bedrock	No.	2		
C2.3	Additional drilling (allowance for depths between 120m-150m)	No.	2		
C2.4	Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	No.	2		
C2.5	Trenching for water pipes(100m)	No.	2		
C2.6	Supply and install JoJo Tank(10 0001)	No.	2		
C2.7	Tank Slab(Concrete under tank)	No.	2		
C2.8	Staff rate	No.	2		
C2.9	LDV Travel	No.	2		
TOTAL FOR SE	CTION C2 CARRIED TO SUMMARY				
TOTAL FOR SE	CTION C2 CARRIED TO SUMMARY			<u> </u>	
	CTION C2 CARRIED TO SUMMARY REFURBISHMENT OF OLD BOREHOLES				
C.3		No.	2		
C.3	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of	No.	2	R75 000.00	
C.3 C3.1	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths			R75 000.00	
C.3 C3.1 C3.2 C3.3	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment	Sum	1	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	Sum No.	1 2 1	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump	No.	1 2 1 1	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump	Sum No.	1 2 1	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works	No. No. No. No.	1 2 1 1 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l)	No. No. No. No. No. No. No.	1 2 1 2 2 2 2 2 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab (Concrete under tank)	No. No. No. No. No. No. No. No.	1 2 1 2 2 2 2 2 2 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10 C3.11	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab(Concrete under tank) Staff rate	No.	1 2 1 2 2 2 2 2 2 2 2 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10 C3.11 C3.12	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab (Concrete under tank)	No.	1 2 1 2 2 2 2 2 2 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10 C3.11	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab(Concrete under tank) Staff rate	No.	1 2 1 2 2 2 2 2 2 2 2 2	R75 000.00	
C.3 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10 C3.11	REFURBISHMENT OF OLD BOREHOLES Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab(Concrete under tank) Staff rate	No.	1 2 1 2 2 2 2 2 2 2 2 2	R75 000.00	

PART B: AREA SOUTH

ITEM	DAVAGAT	DESCRIPTION	UNIT	QTY	DATE	ANACHINIT
HEIVI	PAYMENT	DESCRIPTION	UNII	Bill	RATE	AMOUNT
	SABS 1200	SECTION A: PRELIMINARY AND GENERAL				
	AA					
A.1	PSAA 8.2.1	Fixed - Charge Items (A.1 - A.11)				
A.1.1	8.3.1	Contractual requirements	Sum	1		
	8.3.2	Establish Facilities on Site	00	·		
A.2	8.3.2 (a)	Facilities for the Engineer (SABS 1200 AB):				
A.2.1		Nameboard as detailed on Drawing No. D02	Sum	1		
A2.2	PS-8.1	Furnished site office	Sum	1		
A.2.3		Survey equipment	Sum	1		
A.3	8.3.2 (b)	Facilities for the Contractor:				
A.3.1		Offices, storage sheds, workshops and living accommodation.	Sum	1		
A.3.2		Ablution and latrine facilities	Sum	1		
A.3.3		Tools, equipment and plant	Sum	<u>'</u> 1		
A.3.4		Water supplies, electric power, communications and access	Sum	1		
		Communications and decess	Juin			
A.4		Dealing with water:				
A.4.1		Generally on site	Sum	1		
A.5	8.3.4	Remove Contractor's site establishment on completion	Sum	1		
A.7		Allowance for CLO	Sum	1	65 000.00	65 000.00
A.8		Compliance with requirements of the project OHS and Environmental Management Plan	Sum	1		
A.9		Provisional Sums	Sum	1	R190 000.00	190 000.00
CUDIO	AL CARRIED FO	DDW4 DD				

SUBTOTA	AL BROUGHT	FORWARD				
		OCCUPATIONAL HEALTH AND SAFETY				
	PS	Health and Safety				
A1.1		Fixed - Charge Items				
A1.1.1		Preparation of the Contractor's site specific Health and Safety Plan	Sum	1		
A1.1.2		Provision of Personal Protective Equipment (PPE)	Sum	1		
A1.1.3		Provision of a Construction Health and Safety Officer	Sum	1		
A1.2		Cost of medical certificates and medical surveillance:				
A1.2.1		Initial baseline medical examinations	Sum	1		
A1.2.2		Provision of First Aid Boxes to GSR requirements	Sum	1		
A1.2.3		Provisional Sum	Sum	1	R150 000.00	R150 000.00
TOTAL SI	ECTION A1 (CARRIED TO SUMMARY				
. O IAL J	LUNUNAI	C, MALED TO CONTINUANT				

			l l	QTY		
ITEM	PAYMENT	DESCRIPTION	UNIT	Bill	RATE	AMOUNT
	SABS 1200					
	DA					
B.1		GEOHYDROLOGICAL INVESTIGATIONS				
B.1.1	8.3.1(b)	Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote	N°	2		
	8.3.1 (c)		N°			
B.1.1.1		Geophysical Investigaton	N°	2		
B.1.1.2		Travelling-	Km	560		
B.2	8.3.7	Accommodation				
		Feasibility Report(recommendation and prescriptions)	Day N°	2		
TOTAL F	OR SECTION E	CARRIED TO SUMMARY				
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY Bill	RATE	AMOUNT
	SABS 1200					
	LB					
			1			
C.1		BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH HAND PUMP				
	821					
C.1.2	8.2.1	Establishment & De-establishment of	No.	2		
C.1.2 C.1.2.1	8.2.1	EQUIPPING WITH HAND PUMP Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock	No.	2 2		
C.1.2 C.1.2.1	8.2.1	EQUIPPING WITH HAND PUMP Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths				
C.1.2 C.1.2.1	8.2.1	EQUIPPING WITH HAND PUMP Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m)	No.	2		
C.1.2 C.1.2.1	8.2.1	EQUIPPING WITH HAND PUMP Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths	No.	2 2 2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1	8.2.1	Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump	No.	2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1	8.2.1	Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation	No. No. No. No.	2 2 2 2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1		Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation Staff rate	No. No. No. No. No. No.	2 2 2 2 2 2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1 C.1.3.2	8.2.1	Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation Staff rate LDV Travel	No. No. No. No. No. No. No.	2 2 2 2 2 2 2 2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1		Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation Staff rate	No. No. No. No. No. No.	2 2 2 2 2 2		
C.1.2 C.1.2.1 C.1.2.2 C.1.3 C.1.3.1 C.1.3.2		Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation Staff rate LDV Travel	No. No. No. No. No. No. No.	2 2 2 2 2 2 2 2		

C.2	BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH ELECTRIC PUMP(OPTIONAL)				
C.2.1	Establishment & De-establishment of Equipment on site(once off)	No.	2		
C.2.2	Mud Rotary Drilling from surface to bedrock	No.	2		
C.2.3	Additional drilling (allowance for depths between 120m-150m)	No.	2		
C.2.4	Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	No.	2		
C.2.5	Trenching for water pipes(100m)	No.	2		
C.2.6	Supply and install JoJo Tank(10 000l)	No.	2		
C.2.7	Tank Slab(Concrete under tank)	No.	2		
C.2.8	Staff rate	No.	2		
C.2.9	LDV Travel	No.	2		
TOTAL FOR SE	CTION C2 CARRIED TO SUMMARY				
IOIAE I OK SE	OTION OF OUR WILL TO SOMMIN WIT				
				1	
C.3.	REFURBISHMENT OF OLD BOREHOLES				
C3.1	Establishment & De-establishment of Equipment on site(once off)	No.	2		
	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and	No.	2	R75 000.00	
C3.1	Establishment & De-establishment of Equipment on site(once off)			R75 000.00	
C3.1	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths	Sum	1	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump	Sum No. No.	2	R75 000.00	
C3.1 C3.2 C3.3 C3.4	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	Sum No.	1 2 1	R75 000.00	
C3.1 C3.2 C3.3 C3.4	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump	Sum No. No.	1 2 1	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump	No. No. No. No.	1 2 1 1 2	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation	No. No. No. No. No. No.	1 2 1 1 2 2 2	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m)	No. No. No. No. No. No. No.	1 2 1 2 2 2 2	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l)	No. No. No. No. No. No. No. No. No.	1 2 1 2 2 2 2 2	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab(Concrete under tank)	No.	1 2 1 2 2 2 2 2 2 2	R75 000.00	
C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 C3.7 C3.8 C3.9 C3.10 C3.11	Establishment & De-establishment of Equipment on site(once off) Replacement of old equipment, supply and installation of new equipment Additional drilling (allowance for depths between 120m-150m) Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories Supply local hand pump Installation of pump and associated works Head and concrete works around pump installation Trenching for water pipes(100m) Supply and install JoJo Tank(10 000l) Tank Slab(Concrete under tank) Staff rate	No.	1 2 1 2 2 2 2 2 2 2 2	R75 000.00	

PART C: AREA SOUTH WEST

ITEM	DAVAGAT	DESCRIPTION	UNIT	QTY	DATE	ANACHINIT
HEIVI	PAYMENT	DESCRIPTION	UNII	Bill	RATE	AMOUNT
	SABS 1200	SECTION A: PRELIMINARY AND GENERAL				
	AA					
A.1	PSAA 8.2.1	Fixed - Charge Items (A.1 - A.11)				
A.1.1	8.3.1	Contractual requirements	Sum	1		
	8.3.2	Establish Facilities on Site	00	·		
A.2	8.3.2 (a)	Facilities for the Engineer (SABS 1200 AB):				
A.2.1		Nameboard as detailed on Drawing No. D02	Sum	1		
A2.2	PS-8.1	Furnished site office	Sum	1		
A.2.3		Survey equipment	Sum	1		
A.3	8.3.2 (b)	Facilities for the Contractor:				
A.3.1		Offices, storage sheds, workshops and living accommodation.	Sum	1		
A.3.2		Ablution and latrine facilities	Sum	1		
A.3.3		Tools, equipment and plant	Sum	<u>'</u> 1		
A.3.4		Water supplies, electric power, communications and access	Sum	1		
		Communications and decess	Juin			
A.4		Dealing with water:				
A.4.1		Generally on site	Sum	1		
A.5	8.3.4	Remove Contractor's site establishment on completion	Sum	1		
A.7		Allowance for CLO	Sum	1	65 000.00	65 000.00
A.8		Compliance with requirements of the project OHS and Environmental Management Plan	Sum	1		
A.9		Provisional Sums	Sum	1	R190 000.00	190 000.00
CUDIO	AL CARRIED FO	DDW4 DD				

SUBTOT	AL BROUGHT	FORWARD				
		OCCUPATIONAL HEALTH AND SAFETY				
	PS	Health and Safety				
A1.1		Fixed - Charge Items				
A1.1.1		Preparation of the Contractor's site specific Health and Safety Plan	Sum	1		
A1.1.2		Provision of Personal Protective Equipment (PPE)	Sum	1		
A1.1.3		Provision of a Construction Health and Safety Officer	Sum	1		
A1.2		Cost of medical certificates and medical surveillance:				
A1.2.1		Initial baseline medical examinations	Sum	1		
A1.2.2		Provision of First Aid Boxes to GSR requirements	Sum	1		
A1.2.3		Provisional Sum	Sum	1	R150 000.00	R150 000.00
TOTAL S	SECTION A1	CARRIED TO SUMMARY				

T	DESCRIPTION		QTY	DATE	A. A. G. U. I. I.
PAYMENT	DESCRIPTION	UNIT	Bill	RATE	AMOUNT
SABS 1200					
DA					
	GEOHYDROLOGICAL INVESTIGATIONS				
8.3.1(b)	Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote	N°	2		
8.3.1 (c)		N°			
	Geophysical Investigaton	N°	2		
	Travelling-	Km			
8.3.7	ů .				
			2		
	prescriptions)	IN*	2		
OR SECTION E	B CARRIED TO SUMMARY				
PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	DEGGMI HON	0	Bill	10 (12	7
LD					
	A1 BOREHOLE DRILLING(MAX 120m) AND EQUIPPING WITH HAND PUMP				
8.2.1					
	Establishment & De-establishment of Equipment on site(once off)	No.	2		
	Mud Rotary Drilling from surface to bedrock	No.			
_			2		
	between 120m-150m) at Hlomendlini &	NO.			
+	_	No	2		
	The state of the s		2		
	Head and concrete works around pump	No.			
	installation		2		
	Staff rate	No.	2		
8.2.4	LDV Travel	No.			
<u> </u>	Water Quality testing	No.	2		
	B.3.1(b) 8.3.1 (c) 8.3.7 B.3.7 BAYMENT SABS 1200 LB 8.2.1	SABS 1200 DA GEOHYDROLOGICAL INVESTIGATIONS 8.3.1(b) Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote 8.3.1 (c) Geophysical Investigaton Travelling- 8.3.7 Accommodation Feasibility Report(recommendation and prescriptions) DR SECTION B CARRIED TO SUMMARY PAYMENT DESCRIPTION SABS 1200 LB A1 BOREHOLE DRILLING(MAX 120m) AND EQUIPPING WITH HAND PUMP 8.2.1 Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) at Hlomendlini & Sehlebeng Supply local hand pump(climax) Installation of pump and associated works Head and concrete works around pump installation Staff rate	SABS 1200 DA GEOHYDROLOGICAL INVESTIGATIONS 8.3.1(b) Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote 8.3.1 (c) N° Geophysical Investigaton N° Travelling- Km 8.3.7 Accommodation Day Feasibility Report(recommendation and prescriptions) OR SECTION B CARRIED TO SUMMARY PAYMENT DESCRIPTION UNIT SABS 1200 LB A1 BOREHOLE DRILLING(MAX 120m) AND EQUIPPING WITH HAND PUMP 8.2.1 Establishment & De-establishment of Equipment on site(once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) at Hlomendlini & Sehlebeng Supply local hand pump(climax) No. Installation of pump and associated works No. Head and concrete works around pump installation Staff rate No. 8.2.4 LDV Travel No.	PAYMENT DESCRIPTION UNIT Bill SABS 1200 DA GEOHYDROLOGICAL INVESTIGATIONS 8.3.1 (b) Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote 8.3.1 (c) N° Geophysical Investigaton N° Iravelling- 8.3.7 Accommodation Peasibility Report(recommendation and prescriptions) PAYMENT DESCRIPTION A1 BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH HAND PUMP 8.2.1 Establishment & De-establishment of Equipment on site (once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) at Hlomendlini & Sehlebeng Supply local hand pump (climax) Installation of pump and associated works No. 12 Head and concrete works around pump installation Installation Staff rate No. 2 8.2.4 LDV Travel No. 2 8.2.4 LDV Travel	PAYMENT DESCRIPTION UNIT Bill RATE SABS 1200 DA GEOHYDROLOGICAL INVESTIGATIONS 8.3.1(b) Site verification Pre-Feasibility Ivestigation - Desktop Study and Expert Remote 8.3.1 (c) N° 2 8.3.1 (c) N° 2 Favelling- Km 880 8.3.7 Accommodation Day 2 Feasibility Report (recommendation and prescriptions) Pay 10 N° 2 Feasibility Report (recommendation and prescriptions) PAYMENT DESCRIPTION UNIT Bill RATE A1 BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH HAND PUMP 8.2.1 Establishment & De-establishment of Equipment on site (once off) Mud Rotary Drilling from surface to bedrock (120m) Additional drilling (allowance for depths between 120m-150m) at Hiomendilin & Sehlebeng 2 Supply local hand pump (climax) No. 12 Head and concrete works around pump installation of pump and associated works No. 2 8.2.4 LDV travel No. 2 8.2.5 Constitutions RATE RATE RATE

					Y
C2	A2 BOREHOLE DRILLING (MAX 120m) AND EQUIPPING WITH ELECTRIC PUMP(OPTIONAL)				
C2.1	Establishment & De-establishment of Equipment on site(once off)	No.	2		
C2.2	Mud Rotary Drilling from surface to bedrock	No.	2		
C2.3	Additional drilling (allowance for depths between 120m-150m)	No.	2		
C2.4	Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	No.	2		
C2.5	Trenching for water pipes(100m)	No.	2		
C2.6	Supply and install JoJo Tank(10 000l)	No.	2		
C2.7	Tank Slab(Concrete under tank)	No.	2		
C2.8	Staff rate	No.	2		
C2.9	LDV Travel	No.	2		
70741 508 05	TOTION OF CARRIED TO SUBMARRY				
IOIAL FOR SE	CTION C2 CARRIED TO SUMMARY				
C3	REFURBISHMENT OF OLD BOREHOLES				
C3.1	Establishment & De-establishment of	No.			
03.1	Equipment on site(once off)	140.	2		
C3.2	Replacement of old equipment, supply and installation of new equipment	Sum	1	R75 000.00	
C3.3	Additional drilling (allowance for depths between 120m-150m)	No.	2		
C3.4	Supply of Electric pump incl. Solar Powered Ceva Pump System Motor and accessories	No.	1		
C3.5	Supply local hand pump	No.	1		
C3.6	Installation of pump and associated works	No.	2		
C3.7	Head and concrete works around pump installation	No.	2		
C3.8	Trenching for water pipes(100m)	No.	2		
C3.9	Supply and install JoJo Tank(10 000l)	No.	2		
C3.10	Tank Slab(Concrete under tank)	No.	2		
C3.11	Staff rate LDV Travel	No.	2		
C3.12	LDV IIavei	No.	2	1	
 					
	CTION C3 CARRIED TO SUMMARY				i