



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.....
(Name of Representative) hereby acknowledge receipt of **Addendum No. 01** (3 pages) on
behalf of (name of company).

Signed: Date:

Name:

Position:

Contract No:

ANNEXURE A

BILL OF QUANTITIES



CONTRACT UGU-07-1601-2021

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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"

Issued By:

Nkosi Malishe

On Behalf Ugu District Municipality

Addendum No. 03 to Tender Documentation for Contract No: UGU-07-1601-2021

I.....

(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 Ref	Description	Unit	Quantity	Rate	Amount (R)
E		SPRING PROTECTIONS				
E.1		SPRING PROTECTION				
		FOUNDATIONS				
E.1.1	SABS 1200-C	Setting out of foundations	Sum	5		
E.1.2		Spring protection excavation including all boulders and shoring up of excavated sides	m³	120		
E.1.3		Extra-over items to above for excavation in:				
E.1.3.1		Intermediate material	m³	20		
E.1.3.2		Hard rock material	m³	10		
E.2		FILL MATERIAL				
E.2.1		Supply and install river stone fill (100mm - 200mm dia) to inside of spring protection	m³	120		
E.2.2		Supply and install bitum on top of stone fill.	m²	90		
E.2.3		Supply and install 50mm layer of river sand to level top of spring.	m³	5		
E.3		WATER DIVERSION				
E.3.1		Allow an amount to divert water throughout the weir construction period.	Sum	5		
E.4		ANCHORING				
		Drill 18mm dia. holes min. 800mm deep @ 300mm centers into river rockbed to take Y16 anchor bars measured elsewhere.	hole	10		
E.4.1		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 lengths of 1000mm - 2800mm as required.	kg	50		
E.5.1						
E.5.2		Y 12 reinforcing in spring wall and cover slab.	kg	50		
CARRIED FORWARD						

Item Ref	Payment Ref	Description	Unit	Quantity	Rate	Amount (R)
BROUGHT FORWARD						
E.6		SPRING BASE				
E.6.1		Supply and fixing of shuttering to spring base	m ²	50		
E.6.2		Supply and place 30 MPa concrete to spring base.	m ³	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 base concrete.	m ³	10		
E.6.3						
E.7		SPRING WALLS AND COVER SLAB				
E.7.1		Supply and fixing of smooth shuttering to spring wall including chamfers to all exposed concrete edges.	m ²	150		
E.7.2		Supply and place 30 MPa Concrete to spring wall.	m ³	25		
E.7.3		Wood float top of wall	m ²	10		
E.7.4		Supply and install USB 375 micron on top of river sand before placing of concrete.	m ²	150		
E.7.5		Supply and fixing of smooth shuttering to side of spring cover slab, chamfers to all exposed concrete edges.	m ²	20		
E.7.6		Supply and place 30 MPa Concrete to spring wall.	m ³	15		
E.8	SABS 1200L	All piping and fittings shall be hot dipped galvanised to SABS 763 specifications. All flanges to be T16. Refer to detailed drawings for the following (All piping to include galvanised nuts and bolts.)				
		Supply and fit the following:				
E.8.1		80mm dia Stainless steel pipe 500mm long with 1 x T16 flange and end cap with 3mm holes drilled as detailed No: 01.	No	5		
E.8.2		80mm dia Stainless steel pipe 500mm long with puddle flange and 2 x T16 flanges as detailed No: 02.	No	5		
E.8.3		80mm dia Stainless steel pipe 300mm long with one end 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		
E.8.5		80mm dia Straight 600mm long, T16 flanged as detailed 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		
E.8.8		600 x 600mm Lockable manhole cover & frame cast into chamber as per plan.	No	1		
CARRIED FORWARD TO SUMMARY (SECTION E)						

PART A: AREA NORTH

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 AA	SECTION A: PRELIMINARY AND GENERAL				
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	Sum	1		
A.2.2	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
SUBTOTAL CARRIED FORWARD						

SUBTOTAL 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 SECTION A1 CARRIED TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
B.1	SABS 1200 DA	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	890		
B.2	8.3.7	Accommodation	Day	2		
		Feasibility Report(recommendation and prescriptions)	N°	2		
TOTAL FOR SECTION B CARRIED TO SUMMARY						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 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 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)	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		
TOTAL FOR SECTION C1 CARRIED TO SUMMARY						

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 000l)	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 SECTION C2 CARRIED TO SUMMARY						
C.3		REFURBISHMENT OF OLD BOREHOLES				
C3.1		Establishment & De-establishment of Equipment on site(once off)	No.	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	No.	2		
C3.12		LDV Travel	No.	2		
TOTAL FOR SECTION C3 CARRIED TO SUMMARY						

PART B: AREA SOUTH

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 AA	SECTION A: PRELIMINARY AND GENERAL				
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	Sum	1		
A.2.2	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
SUBTOTAL CARRIED FORWARD						

SUBTOTAL 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 SECTION A1 CARRIED TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
B.1	SABS 1200 DA	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	Day	2		
		Feasibility Report(recommendation and prescriptions)	N°	2		
TOTAL FOR SECTION B CARRIED TO SUMMARY						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 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 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)	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		
TOTAL FOR SECTION C1 CARRIED TO SUMMARY						

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 SECTION C2 CARRIED TO SUMMARY						
C.3.		REFURBISHMENT OF OLD BOREHOLES				
C3.1		Establishment & De-establishment of Equipment on site(once off)	No.	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	No.	2		
C3.12		LDV Travel	No.	2		
TOTAL FOR SECTION C3 CARRIED TO SUMMARY						

PART C: AREA SOUTH WEST

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 AA	SECTION A: PRELIMINARY AND GENERAL				
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	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	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
SUBTOTAL CARRIED FORWARD						

SUBTOTAL 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 SECTION A1 CARRIED TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
B.1	SABS 1200 DA	GEOHYDROLOGICAL INVESTIGATIONS				
B.1.1	8.3.1(b)	Site verification Pre-Feasibility Investigation - 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	880		
B.2	8.3.7	Accommodation	Day	2		
		Feasibility Report(recommendation and prescriptions)	N°	2		
TOTAL FOR SECTION B CARRIED TO SUMMARY						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				Bill		
	SABS 1200 LB					
C.1		A1 BOREHOLE DRILLING(MAX 120m) AND EQUIPPING WITH HAND PUMP				
C.1.2	8.2.1					
C.1.2.1		Establishment & De-establishment of 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) at Hlomendlini & Sehlebeng	No.	2		
C.1.3		Supply local hand pump(climax)	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		
TOTAL FOR SECTION C1 CARRIED TO SUMMARY						

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		
TOTAL FOR SECTION C2 CARRIED TO SUMMARY						
C3		REFURBISHMENT OF OLD BOREHOLES				
C3.1		Establishment & De-establishment of Equipment on site(once off)	No.	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	No.	2		
C3.12		LDV Travel	No.	2		
TOTAL FOR SECTION C3 CARRIED TO SUMMARY						