

#### **MSIKABA WATER SUPPLY SCHEME - PHASE 3**

#### UGU-01-1584- 2021

Construction of 200mm x 1000m Klambon Steel (Class 25) Gravity Main From Msikaba Reservoirs to Betania, Upgrading of Bomela Pump Station, Construction of Nyandezulu Elevated Reservoir and Booster Pump Station and Construction of 6250m x 110mm to 75mm uPVC, Class 12, New Reticulation for the New Development at Nyandezulu and 62 No. x 25mm House Connections

## CIDB CONTRACTOR GRADING: 7CE PE OR HIGHER

#### ADDENDUM NO. 01 TENDER DOCUMENT; issued on 23 August 2021

This Addendum is for the following items and shall form part of the submission document(s) Reference is made to Pages TP 13 to TP 24 in the tender document (VOLUME 1, TENDER PROCEDURES), for Contract UGU-01-1584- 2021. The following amendments are affected by this addendum:

Acknowledgement of receipt of Addendum No. 1 to Tender Document for Contract UGU-01-1584-2021. Please sign the acknowledgement below and ensure that the acknowledgement of receipt in included in the bid Returnables.

<u></u>
(Name of Representative – Authorised to Sign the Tender Document), hereby acknowledge receipt of Addendum No. 1 (14 pages), on behalf
Of
Signed:
Date:
Name:
Position:
Contact No:

## C.3.11.9 Scoring Functionality

Points for quality must be entered here by the Tenderer based on the following Quality Scorecard.

Only Tenderers scoring 60% or more for quality will be considered eligible to tender.

Tenderers should supply supporting information to prove points claimed where this is not available in other Returnable Schedules.

## **Total Score for Quality**

	Criteria	Possible Full Points	Actual Points Obtained
C.3.11.9.1	Relevant Experience: For Main Civil Contractor related to Water Projects, water projects, pipelines and pumping equipment projects, including concrete water retaining structures (elevated concrete reservoirs – at least two minimum 250 KL completed), buildings, earthworks, access roads and stormwater, and including Mechanical and Electrical Works by a Sub-Contractor, applicable in past 12 years. (Tenderer to attach certified copy of the Final Completion Certificate on similar scope of Works and reference letters from clients).		
	Completed two projects minimum 250 KL Water elevated concrete reservoirs (minimum value of R 7.5 Million per Contract): (5 scoring points per project)	10	S1 =
	Completed two water projects (minimum value of R 5 Million per Contract): (2.5 scoring points per project)	5	
	Completed two Pumping equipment and buildings, earthworks, access roads and stormwater, and including mechanical and electrical works by subcontractor (minimum value of R 5 Million per Contract): (2.5 scoring points per project)	5	
C.3.11.9.2	Relevant Experience: For Electrical Sub-Contractor related to transformers, MCC Panels, PLC's, instrumentation and general Electrical Works for Water or Wastewater Treatment Projects, undertaken as an Electrical Main or Sub- Contractor, applicable in past 12 years.		S2 =
	Completed one (1) project (minimum value of R 1.5 Million per Contract):	5	
	Completed two (2) project (minimum value of R 1.5 Million per Contract):	10	
	Completed three (3) project (minimum value of R 1.5 Million per Contract):	15	
C.3.11.9.3	Financial Resources: Bank Rating Grade A: 10 points Grade B: 8 points Grade C: 5 points	10	S3 =
	Grade D, E, F and non-submission leads to		

	disqualification		
C.3.11.9.4	Experience of Key Personnel: minimum relevant Civil Engineering Qualifications (minimum diploma) within a recognized accredited educational institution for the Core owners of the Company and the proposed Site Agent and Site Foreperson. Demonstrated experience (Minimum 10 years) on undertaken projects, for the Core owners of the Company and the proposed Site Agent and Site Foreperson on Water Projects, water projects, pipelines and pumping equipment projects, including concrete water retaining structures (elevated concrete reservoirs – at least two minimum 250 KL completed), buildings, earthworks, access roads, stormwater and pump stations.  The proposed team should be composed of the following: Construction Manager Site Agent Electrical Foreman Mechanical Foreman Health and Safety Officer (Registered with SACPCMP as a Safety Officer)	20	S4a = S4b = S4c = S4d = S4e =
C.3.11.9.5	Quality Assurance Plan and Control Procedures: Requirements of the Plan: 1. Purpose 2. Quality control and inspections 3. Control testing 4. Quality assurance 5. Submittals	5	S5 =
C.3.11.9.6	Previous Performance on similar Water Projects, water projects, pipelines and pumping equipment projects, including concrete water retaining structures (elevated concrete reservoirs – at least two minimum 250 KL completed), and pump station buildings Projects for Main Civil Contractor:  Completed 1 Project (* to be scored by Employer)	4 8	*S6a = *S6b =
	Completed 2 projects (* to be scored by Employer) Completed 3 projects (* to be scored by Employer)	6 12	*S6c =
C.3.11.9.7	Previous Performance on similar Electrical and Instrumentation Projects for Water or Wastewater Treatment Works: Completed 1 Project (* to be scored by Employer) Completed 2 projects (* to be scored by Employer)	4 8	*S7a = *S7b =
C.3.11.9.8	Method Statement / Approach Paper which includes the following:  1. Methodology and Approach 2. Time Management, Resources and Materials 3. Quality Management Plan 4. Risk Management and Safety Measures 5. Environmental Control Measures 6. Communication Management	5	S8 =
C.3.11.9.9	Preliminary Programme on Excel or Microsoft Project Programme to include:  1. Sequencing 2. Durations	5	S9 =

	3. Mile stones 4. Resources 5. Critical Path						
	Total Possible	Points			100	Tot Ob	al Points tained =
C.3.11.9.1	Criteria 1: Re only: Maximum Sco		in Civil Contracto	or Experien	ce applicat	ole to pas	t 12 years
Relevant Experience:							
For Main Civil Contractor related to Water Projects, water projects, pipelines and pumping equipment projects, including concrete water retaining structures (elevated concrete reservoirs – at least two minimum 250 KL completed), buildings, earthworks, access roads and stormwater, and including Mechanical and Electrical Works by a Sub-Contractor, applicable in past 12 years. (Tenderer to attach certified copy of the Final Completion Certificate on similar scope of Works and reference letters from clients).  Completed two projects minimum 250 KL Water elevated concrete reservoirs (minimum value of R 7.5 Million per Contract): (5 scoring points per project)  Completed two water projects (minimum value of R 5 Million per Contract): (2.5 scoring points per project)  Completed two Pumping equipment and buildings, earthworks, access roads and stormwater, and including mechanical and electrical works by sub-contractor (minimum value of R 5 Million per Contract): (2.5 scoring points per project)			Project Value	Points	Score (S)		
Contract	Value		Reference				
Contract	Value	Name	Organisation	Tel №			
					< R 5 million	0	
					R 5 – 10	2	
					million >R10 –		
					15	3	
					million > R15	4	
		1			· / I\ I J	- 7	i .
					million		
				Possible Fu	million	20	

Note: \* Similar work (or Project) means successful construction of civil engineering project/s related to Water Projects, water projects, pipelines and pumping equipment projects, including concrete water retaining structures (elevated concrete reservoirs – at least two minimum, 250 KL completed), buildings, earthworks, access roads and stormwater, and including Mechanical and Electrical Works by a Sub-Contractor, applicable in past 12 years. (Tenderer to attach certified copy of the Final Completion Certificate on similar scope of Works and reference letters from clients). (minimum value of R 5 Million per Contract) including concrete water retaining structures (elevated concrete reservoirs – at least two minimum 250 KL completed), buildings, earthworks, access roads and stormwater, and including mechanical and electrical works by sub-contractor, as indicated in Section T2.2 Form B: Schedule of Relevant Experience (for Similar Work Undertaken).

\* The Tenderer will send the "Assessment of Performance" form (see example C.3.11.10) for the references listed above. Three replies will then be used to score Criteria 6: C.3.11.9.6.1 to C.3.11.9.6.3.

C.3.11.9.2 <u>Criteria 2</u>: Relevant Electrical Sub-Contractor Experience applicable to past 12 years: Maximum Score = 15

Relevant Experience: For Electrical Sub-Contractor related to transformers, MCC Panels, PLC's, instrumentation and general Electrical Works for Water or Wastewater Treatment Projects, undertaken as an Electrical Main or Sub-Contractor, applicable in past 12 years. Completed one (1) project (minimum value of R 1.5 Million per Contract): Completed two (2) project (minimum value of R 1.5 Million per Contract):					Project Value	Points	Score (S)
Completed three (3) pr	oject (minimum va	alue of R 1.	5 Million per Contra	act):			
Contract	Value		Reference				
		Name	Organisation	Tel №			
					< R5		
					million	0	
					R1.5 –3	1	
					million		
					>R3 – 4.5	2	
					million		
					> R4.5 million	3	
Possible Full Points = 15							
				Actual I	Points Obta	ained S2 =	

Note: \* Similar work (or Project) means successful construction of electrical and instrumentation engineering project/s related to water or wastewater treatment works, over the last 12 years (minimum value of R5 Million per Contract) including transformers, MCC Panels, PLC's, instrumentation and general Electrical Works, undertaken as an Electrical Main or Sub-Contractor, as indicated in Section T2.2 Form B: Schedule of Relevant Experience (for Similar Work Undertaken).

The Tenderer will send the "Assessment of Performance" form (see example C.3.11.10) for the references listed above. Three replies will then be used to score Criteria 7: C.3.11.9.7.1 to C.3.11.9.7.2.

## C.3.11.9.3 Criteria 3: Financial Resources (Bank Rating): Maximum Score = 13

Score one of the ratings listed below as reflected on rating received – see Section F1 of T2.2.1	Points	Score (S)
Bank Rating A – Undoubted for the amount of enquiry	10	
Bank Rating B – Good for the amount of enquiry	8	
Bank Rating C – Good for the amount quoted if applied strictly in the way of business	5	
Bank Rating D – Figures considered too high Bank Rating E – Figures considered too high Bank Rating F – Financial Position Unknown Bank Rating G – Dishonour on records	Not eligible to	tender

Bank Rating H – Frequently Dishonoured		
Possible Full Points =	10	
Actual Poin	Actual Points Obtained S3 =	

**Note:** Tenderers are to submit a copy of their bank rating in Section T2.2 Form L: Tenderer's Financial Standing.

C.3.11.9.4 <u>Criteria 4</u>: Experience of Key Personnel: Maximum Score = 20

Proposed key Personnel	Experience		Points	Score (S)
Project Director/ Contracts Manager Name:	Approved Degree or Diploma Engineering	in Civil	2	
name.	Years of appropriate experience	<5	0	
	(score one of the categories)	5 to 10	2	
		>10	3	
Site Agent / Project Manager (Note the Site Agent may be the same person as the Project Director)	Approved Degree or Diploma Engineering	in Civil	2	
Name:	Years of appropriate experience	<3	0	
	(score one of the categories)	3 to 5	1	
		5 to 10	2	
		>10	3	
Electrical Supervisor / Foreman Name:	Approved Degree or Diploma in Engineering	n Electrical	2	
Nume.	Years of appropriate experience	<5	0	
	(score one of the categories)	5 to 10	1	
		>10	2	
Mechanical Foreman	Trade Test Certificate		1	
Name:	Years of appropriate experience	<5	0	
	(score one of the categories)	5 to 10	1	
		>10	2	
Health and Safety Officer Name:	Approved Diploma / NQF Level 5 (SAMTRAC) / equivalent certificate in Health and Safety and SACPCMP registration as per regulations		1	
	Years of appropriate experience	<1	0	
	(score one of the categories)	1 to 3	1	
		>3	2	
	Possible F	ull Points =	20	

Note: \* Curriculum Vitae to be attached in Section T2.2 Form C: Key Personnel.

<sup>\*</sup> Years of appropriate experience means experience in the fields of concrete water retaining structures, buildings, earthworks, access roads and stormwater, and including mechanical and electrical works by a sub-contractor, as indicated in Section T2.2 Form B: Schedule of Relevant Experience (for Similar Work

Undertaker	n).				
* Certified co	pies of Degrees, Diplomas, Trade Tests to be attach	ched if points are claim	ed.		
C.3.11.9.5	<u>Criteria 5</u> : Quality Assurance Plan and Contro Maximum Score = 10 (Civil Contractor only)	l Procedures:			
Score one status as lis	sted below	Points	Score (S)		
ISO Accreditation		5			
Own Internal QA Plan		3			
None		0			
	Possible Full F	Points = 5			
	Actua	I Points Obtained S5	=		
Note: * Attach curr System in	ent copy of ISO 9001:2015 Accreditation Certifica Section T2.2 Form FF: Quality Assurance Plan and	te or copy of internal C d Quality Control Proced	Quality Management dures.		
C.3.11.9.6	<u>Criteria 6</u> : Performance on Three Similar F years: Maximum Score = 12 (Main Civil Contra		within the last 12		
C.3.11.9.6.1	PROJECT 1 – Evaluation Completed by Employe	er			
Projects, w structures ( access roa * The Tende Criteria 1.	Relevant Experience (Main Civil Contractor for rater projects, pipelines and pumping equipment populated concrete reservoirs – at least minimum ds and stormwater). Iter will submit "Assessment of Performance For over will then complete these pages and scores received.	orojects, including conc 250 KL completed), bu m" (C.3.11.10) for all	rete water retaining ildings, earthworks, references listed in		
Project Name:					
Value of work carried of	out by Contractor: R				
Detail of work carried of	out by Contractor:		<del></del>		
Referee Name:	Orga	anisation:			
Contact Details:					
Qualitative Statements (refer to returned forms (	as assessed by Referees 03.11.10)	Points	Score		
"Contractor's Manageme	nt was adequate for the contract"				
"Contractor provided suit	ably qualified Site personnel"	Not true 0			
"Contractor complied with	n Health & Safety requirements	Substantially fulfilled 1			
"Contractor's provided ac	"Contractor's provided adequate resources for the contract" Completely fulfilled 2				

	ation and compliance to instructions was good"	(Score from returned	
	d was to drawings and specification"	reference sheet C.3.11.10)	
"Contract was completed			
	Possible Full Poin	ts 14	
	Actual Points Obtaine	ed S6a = (Total Score / 14 x 4)	
C.3.11.9.6.2	PROJECT 2 – Evaluation Completed by En	nployer	
Criteria 1 - from the fi Contractor including o completed	et scored here will be selected and scored le Relevant Experience (The project scored he ve projects listed in Criteria 1 – Relevant E related to Water Projects, water projects concrete water retaining structures (elevated d), buildings, earthworks, access roads and sto over will send "Assessment of Performance	ere will be selected and score experience (Main Civil Contra , pipelines and pumping eq concrete reservoirs – at least ermwater).)	d by the Employer ctor for Main Civi quipment projects, t minimum 250 KL
references	listed in Criteria 1.  byer will then complete these pages and sco	, ,	
Project Name:			
Value of work carried	out by Contractor: R		
Detail of work carried	out by Contractor:		
Referee Name:		Organisation:	
Contact Details:			
Qualitative (ref	Statements as assessed by Referees er to returned forms C3.11.10)	Points	Score
"Contractor's Manageme	ent was adequate for the contract"		
"Contractor provided sui	ably qualified Site personnel"	Not true 0	
"Contractor complied wit	h Health & Safety requirements	Substantially fulfilled 1	
"Contractor's provided a	dequate resources for the contract"	Completely fulfilled 2	
"Contractor's communica	ation and compliance to instructions was good"	(Score from returned	
"Quality of work produce	d was to drawings and specification"	reference sheet C.3.11.10)	
"Contract was completed	I on time"		

**Possible Full Points** 

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C.3.11.9.6.3  PROJECT 3 – Evaluation Completed by Employer  Note: * The project scored here will be selected and scored by the Employer from the five project in Criteria 1 – Relevant Experience (Main Civil Contractor for Water project scored here and scored by the Employer from the five projects listed in Criteria 1 – Relevant Experience (Main Civil Contractor for Water projects, pipeline equipment projects, including concrete water retaining structures (elevated concrete resuminimum 250 KL completed), buildings, earthworks, access roads and stormwater).  * The Employer will send "Assessment of Performance Form" (C3.11.10) to two or references listed in Criteria 1.  * The Employer will then complete these pages and scores will be based on the Refereceived.  Project Name:  Value of work carried out by Contractor: R  Detail of work carried out by Contractor:  Contact Details:  Contact Details:	e will be selected rience (Main Civil nes and pumping servoirs – at least more of the five eree's responses
Note: * The project scored here will be selected and scored by the Employer from the five project in the five projects in the five projects, water projects, pipeling equipment projects, including concrete water retaining structures (elevated concrete resemble minimum 250 KL completed), buildings, earthworks, access roads and stormwater).  * The Employer will send "Assessment of Performance Form" (C3.11.10) to two or references listed in Criteria 1.  * The Employer will then complete these pages and scores will be based on the Reference in the five projects in the five proje	e will be selected rience (Main Civil nes and pumping servoirs – at least more of the five eree's responses
Criteria 1 – Relevant Experience (Main Civil Contractor for Water project scored here and scored by the Employer from the five projects listed in Criteria 1 – Relevant Experience (Contractor for Main Civil Contractor related to Water Projects, water projects, pipeline equipment projects, including concrete water retaining structures (elevated concrete resuminimum 250 KL completed), buildings, earthworks, access roads and stormwater).  * The Employer will send "Assessment of Performance Form" (C3.11.10) to two or references listed in Criteria 1.  * The Employer will then complete these pages and scores will be based on the Refereceived.  Project Name:  Value of work carried out by Contractor: R  Detail of work carried out by Contractor:  Referee Name:  Organisation:	will be selected rience (Main Civil nes and pumping servoirs – at least more of the five eree's responses
references listed in Criteria 1.  * The Employer will then complete these pages and scores will be based on the Referenceived.  Project Name:  Value of work carried out by Contractor: R  Detail of work carried out by Contractor:  Referee Name:  Organisation:	eree's responses
received.  Project Name:  Value of work carried out by Contractor: R  Detail of work carried out by Contractor:  Referee Name:  Contact Details:	
Value of work carried out by Contractor: R	
Contact Details:	
Qualitative Statements as assessed by Referees (refer to returned forms C3.11.10)	Score
"Contractor's Management was adequate for the contract"	
"Contractor provided suitably qualified Site personnel"  Not true  0	
"Contractor complied with Health & Safety requirements Substantially fulfilled 1	
"Contractor's provided adequate resources for the contract" Completely fulfilled 2	
"Contractor's communication and compliance to instructions was good" (Score from returned	
"Quality of work produced was to drawings and specification" reference sheet C.3.11.10)	
"Contract was completed on time"	
Possible Full Points 14	
Actual Points Obtained S6c = (Total Score / 14 x 4)	

C.3.11.9.7

C.3.11.9.7.1

<u>Criteria 7</u>: Performance on Two Similar Projects undertaken within the last 12 years: Maximum Score = 8 (Electrical Sub-Contractor only)

PROJECT 1 (Electrical and Instrumentation) – Evaluation Completed by Employer

Note: \* The project scored here will be selected and scored by the Employer from the five projects listed in Criteria 2 – Relevant Experience (Electrical Sub-Contractor for Water or Wastewater Treatment Works)

- \* The Employer will send "Assessment of Performance Form" (C3.11.10) to two or more of the five references listed in Criteria 2.
- \* The Employer will then complete these pages and scores will be based on the Referee's responses received

received.						
Project Name:						
Value of work carried of	out by Contractor: R					
Detail of work carried of	out by Contractor:					
Referee Name:	O	rganisation:				
Contact Details:						
Qualitative (refe	Statements as assessed by Referees er to returned forms C3.11.10)	Points	Score			
"Contractor's Manageme	nt was adequate for the contract"					
"Contractor provided suita	ably qualified Site personnel"	Not true 0				
"Contractor complied with	n Health & Safety requirements	Substantially fulfilled 1				
"Contractor's provided ad	lequate resources for the contract"	Completely fulfilled 2				
"Contractor's communica	tion and compliance to instructions was good"	(Score from returned				
"Quality of work produced was to drawings and specification" reference sheet C.3.11.10)						
"Contract was completed	on time"					
	Possible Full Points	14				
	Actual Points Obtained	S7a = (Total Score / 14 x 4)				
			I			
C.3.11.9.7.2	PROJECT 2 (Electrical and Instrumentation	) – Evaluation Completed by	y Employer			
Note: * The project scored here will be selected and scored by the Employer from the five projects listed in Criteria 2 – Relevant Experience (Electrical Sub-Contractor for Water or Wastewater Treatment Works)						
	yer will send "Assessment of Performance Folisted in Criteria 2.	orm" (C3.11.10) to two or	more of the five			
* The Emplo received.	yer will then complete these pages and score	s will be based on the Ref	eree's responses			
Project Name:						
Value of work carried of	out by Contractor: R					

Detail of work carried out by Contractor:				
Referee Name:	Organisation:			
Contact Details:				

Qualitative Statements as assessed by Referees (refer to returned forms <i>C3.11.10</i> )	Points	Score
"Contractor's Management was adequate for the contract"		
"Contractor provided suitably qualified Site personnel"	Not true 0	
"Contractor complied with Health & Safety requirements	Substantially fulfilled 1	
"Contractor's provided adequate resources for the contract"	Completely fulfilled 2	
"Contractor's communication and compliance to instructions was good"	(Score from returned	
"Quality of work produced was to drawings and specification"	reference sheet F.3.11.10)	
"Contract was completed on time"		
Possible Full Points	14	
Actual Points Obtained S7b = (Total Score / 14 x 4)		

# C.3.11.9.8 Criteria 8: APPROACH PAPER / METHODOLOGY

The approach paper must respond to the scope of work and outline the proposed approach / methodology including proposals for outsourcing (including details for the companies to be used), leading to the delivery of the construction deliverables listed in the scope of the works (Part C3). The approach paper should articulate what value add the tenderer will provide in achieving the stated objectives for the project.

Tenderers must explain their understanding of the objectives, of the assignment and the Employer's stated and implied requirements, highlight the issues of importance, and explain the technical approach they would also include a project plan and programme which outlines processes, procedures and associated resources, indicates how risks will be managed and identifies what contribution can be made regarding value management.

Tenderers must attach their approach papers to the page. The approach paper should not be longer than 6 pages.

#### Score 5

Weighing	Description
No response (Score 0)	No response / no documents submitted
Poor (Score 2)	The approach and / or methodology is poor / is unlikely to satisfy project objects or requirements. The tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project. The programme is poor and has missed critical aspects.
Satisfactory	The approach is tailored to address the specific project objectives and methodology. The approach adequately deals with the critical characteristics of the project. The project plan

C.3.11.9.9	Criteria 9: PRELIMINARY PROGRAMME
Very Good (Score 5)	Besides meeting the "good" rating, the important issues are approached in an innovative and efficient way, indicating that the tenderer has outstanding knowledge of state-of-the-art approaches. The programme is well thought out and makes allowance for all the key risk areas. The approach paper details ways of improving the project outcomes and the quality of the outputs.
Good (Score 4)	The approach is tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The project plan and approach to managing rick etc is tailored to the critical characteristics of the project. The programme is good and has allowed for all critical aspects.
(Score 3)	and manner in which risk is to be managed etc is acceptable. The programme is adequate.

The preliminary programme must respond to the scope of work and outline the sequencing and duration of the various activities and tasks related to the construction deliverables listed in the scope of the works (Part C3).

Tenderers must attach their preliminary programme to the page. Programme to include:

- 1. Sequencing
- 2. Durations
- 3. Mile stones
- 4. Resources
- 5. Critical Path

Weighing	Description
(Score 0)	No response / no documents submitted
Poor (Score 2)	The preliminary programme is poor / is unlikely to satisfy project objects or requirements. The tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project. The programme is poor and has missed critical aspects.
Satisfactory (Score 3)	The preliminary programme is tailored to address the specific project objectives and methodology. The programme adequately deals with the critical characteristics of the project. The programme is adequate.
Good (Score 4)	The preliminary programme is tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The programme is good and has allowed for all critical aspects.
Very Good (Score 5)	The preliminary programme is well thought out and makes allowance for all the key risk areas, indicating that the tenderer has a very good understanding and knowledge of the project objectives, scope and required completion timeframe.