

**MUNISIPALITEIT
VAN
PRINS ALBERT**

Rig alle korrespondensie aan:
DIE MUNISIPALE BESTUURDER
Privaatsak X53, Prins Albert, 6930
E-Pos / E-Mail: scm@pamun.gov.za



**MUNICIPALITY
OF
PRINCE ALBERT**

Address all correspondence to:
THE MUNICIPAL MANAGER
Private Bag X53, Prince Albert, 6930
Tel: 023-541 1036, Fax: 023-541 1035

TENDER DOCUMENT

TENDER NUMBER:	111/2026		
TENDER DESCRIPTION:	KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING, TESTING & REHABILITATION OF PRODUCTION BOREHOLES)		
CLOSING TIME:	13:30	CLOSING DATE:	15 SEPTEMBER 2026

Tender Box at:

**Prince Albert Municipality
Finance Division
Thusong Centre, Adderley Street,
Prince Albert,
6930**

NB

- 1) All bids must be submitted on the official forms - (not to be re-typed)
- 2) Bids must be completed in black ink in writing
- 3) No bids will be considered from persons in the service of the state.
- 4) In the event of any conflict between the data provided in this summary and that given in the Tender, the latter shall apply

Name of Bidder:

Tender Amount:

B-BBEE Status Level of Contributor:

Preference Points and Specific Goals Claimed:

CSD Supplier Number

CSD Unique Reference Number

CIDB Contractor Grading

CIDB Registration Number (CRS)

B-BBEE certificates submitted with the bid document MUST be VALID ORIGINAL BBBEE CERTIFICATES or VALID ORIGINAL CERTIFIED COPIES OF THE B-BBEE CERTIFICATES

**Signature of PRINCE ALBERT LOCAL
MUNICIPALITY Officials at Tender Opening**

1

2

CONTENTS

Part T1: Tendering Procedures	2
T1.1 NOTICE AND INVITATION TO BID	3
T1.2 TENDER DATA	4
Part T2: Returnable Documents.....	10
T2.1 LIST OF RETURNABLE DOCUMENTS	11
T2.2 RETURNABLE SCHEDULES.....	13
Part C1: Agreements and Contract Data	64
C1.1 FORMS OF OFFER AND ACCEPTANCE.....	65
C1.2 CONTRACT DATA.....	70
C1.3 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT.....	76
C1.4 FORM OF GUARANTEE	78
C1.5 ADVANCE PAYMENT GUARANTEE.....	81
Part C2: Pricing Data	84
C2.1 PRICING ASSUMPTIONS / INSTRUCTIONS	85
C2.2 BILLS OF QUANTITIES.....	89
Part C3: Scope of Work	93
C3.1 DESCRIPTION OF THE WORKS	94
C3.2 ENGINEERING.....	97
C3.3 PROCUREMENT	98
C3.4 CONSTRUCTION.....	99
C3.5 MANAGEMENT	102
C3.6 ANNEXURES	ERROR! BOOKMARK NOT DEFINED.
Part C4: Site Information	133
C4.1 LOCATION OF THE SITE AND ACCESS	134
C4.2 TENDER DRAWINGS	135

Part T1: Tendering Procedures

T1.1 Notice and Invitation to Bid

	PRINCE ALBERT LOCAL MUNICIPALITY		
	Notice no:	111/2026	Department: Technical Services
Advertised on:	MUNICIPAL NOTICE BOARD; MUNICIPAL WEBSITE; NATIONAL TREASURY e-TENDER; CIDB i-TENDER, NEWSPAPER		
Tender no.:	111/2026	Published date:	22 AUGUST 2026
Tender description:	Prince Albert Local Municipality invites tenders for the KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)		
Closing date and time:	The closing time for receipt of tenders is 13:30 on 15 September 2026 Telegraphic, telephonic, telex, facsimile, e-mail, and late tenders will not be accepted.		
Tender requirements:	Tenders must only be submitted on the tender documentation that is issued and/or downloaded electronically by bidders. Prince Albert Municipality will not be held liable for incomplete submissions in the case of documents downloaded electronically. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.		
Validity Period:	12 weeks		
Availability of tender documents:	The physical address for the collection of tender documents is: Prince Albert Municipality: Finance Division, Thusong Centre, Adderley Street, Prince Albert, 6930 Tender documents will also be made available electronically (free of charge) for download five (5) working days before the pre-tender clarification meeting. Tender documents must be reserved at least two (2) working days before the pre-tender clarification meeting.		
Documentation fee:	A non-refundable tender deposit of R550.00 payable in cash or EFT made out in favour of the Employer is required on collection of the tender documents. Bid Number to be used as payment reference with the name of payee. Banking details for Electronic Funds Transfer (EFT) payments: Account name: Prince Albert Municipality Account number: 2640560064 Branch Code: 632005 Reference: T111/2026 and company name		

Document submission:	Tenders must only be submitted on the tender documentation that is issued.		
Eligibility requirements: (CIDB)	Only Tenderers who are registered with CIDB in the appropriate Contractor grading designation are eligible to submit tenders. It is estimated that tenderers must have a CIDB contractor grading of 3CE or higher.		
Quality/Functionality requirements:	Tenderers need to score a minimum of 70 out of 100 points (for Quality to be evaluated further on Price and Preference.		
Preferences:	Preferences are offered to Tenderers based on their B-BBEE Status Level of Contributor (10 points) and Locality of service provider (10 points).		
Clarification Meeting:	A compulsory clarification meeting with representatives of the Employer will take place in the Klaarstroom Community Centre, Bloekom Street, Klaarstroom, on 03 September 2026, starting at 11:30. Tenderers who arrive late (after 11:30) will not be allowed to join the clarification meeting. Tenderers should be represented at the clarification meeting by an employee of the Tenderer who is suitably qualified and experienced to comprehend the implications of the work involved. No representative at the meeting may represent more than one Tenderer.		
Bidding procedure enquiries may be directed to:		Technical enquiries may be directed to:	
Section:	Supply Chain Management	Section:	Technical Services
Contact Person:	David-Leagh Willemse	Contact Person:	Ashley America
Tel:	023 541 1668	Tel:	023 541 1036
E-mail:	scm@pamun.gov.za	E-mail:	ashley@pamun.gov.za
AUTHORISATION			
Authorised by:	Adv. Matthys Giliomee	Capacity:	Municipal Manager

T1.2 Tender Data

The conditions of tender are those contained in the latest edition of SANS 10845-3, *Construction Procurement – Part 3: Standard conditions of tender*.

SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3.

Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.

Clause number	Tender Data
3.1	The Employer is PRINCE ALBERT LOCAL MUNICIPALITY .
3.2	The Tender Documents issued by the Employer comprise the following documents: THE TENDER Part T1: Tendering procedures T1.1 - Tender notice and invitation to tender T1.2 - Tender data Part T2: Returnable documents T2.1 - List of returnable documents T2.2 - Returnable schedules THE CONTRACT Part C1: Agreements and Contract data C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Occupational Health and Safety Agreement C1.4 - Performance Guarantee C1.5 - Advanced Payment Guarantee Part C2: Pricing data C2.1 - Pricing assumptions C2.2 - Bill of Quantities Part C3: Scope of work C3.1 - Description of Works C3.2 - Engineering C3.3 - Procurement C3.4 - Construction C3.5 - Management C3.6 - Annexures Part C4: Site Information C4 - Site information
3.4	The Employer's Agent is: Mr Danie Koeglenberg AGES Omega (Pty) Ltd Sansom Road, Vincent East London Telephone: 043 726 2070 Cellphone: 083 301 2682 Email: wctech2@ages-group.com

Clause number	Tender Data
3.4	The language for communications is English .
3.6	The competitive negotiation procedure shall not be applied.
4.1	Only those tenderers who are registered with the CIDB, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations for a 3CE class of construction work are eligible to have their tenders evaluated. Joint Ventures are eligible to submit tenders provided that: - every member of the joint venture is registered with the CIDB; - the lead partner has a contractor grading designation in the 3 or higher class of construction work; and - the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for 3CE or higher class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations.
4.7	The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. Tenders should be represented at the site visit/clarification meeting by an employee of the Tenderer who is suitably qualified and experienced to comprehend the implications of the work involved. No person at the meeting may represent more than one Tenderer.
4.12	No alternative tenders are permitted.
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original, plus NIL copies.
4.13.5 4.15	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Location of tender box: Finance Division, Supply Chain Management Unit Employer's address: Thusong Centre, Adderley Street, Prince Albert, 6930 Identification details: 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)
4.13.4	The tenderer is required to submit with his tender: 1) A Tax compliance status PIN issued by SARS for the Municipality or their Agent to verify the Tenderer's Tax matters. 2) An original current account in terms of water & electricity or rates & taxes obtainable from any Local Municipality or a Municipal Accounts Clearance Certificate 3) An original valid B-BBEE status level verification certificate or an ORIGINAL CERTIFIED copy in terms of the Construction Sector Charter on Black Economic Empowerment, in terms of the Preferential Procurement Regulations, 2022 (unless available on record). 4) Confirmation of financial standing (bank rating) from the tenderer's financial institution.

Clause number	Tender Data												
	5) ORIGINAL CERTIFIED copies of Identity Documents (IDs) of all shareholders/ owner(s) / partners of bidding companies must submitted with the bid document. 6) Joint venture agreement where applicable. 7) ORIGINAL CERTIFIED copies of qualifications.												
4.13.6	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.												
4.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.												
4.16	The tender offer validity period is 12 weeks .												
4.20	The tenderer is required to submit with his tender a letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Part C1.4 of this procurement document.												
5.1	The Employer will respond to requests for clarification received up to 4 working days before the tender closing time.												
5.2	The Employer shall issue addenda until 3 working days before tender closing time.												
5.4	Tenders will be opened immediately after the closing time for receipt of tenders as stated in the Tender Notice and Invitation to Tender.												
5.11.5	The procedure for the evaluation of responsive tenders is Method 4 (Financial offer, quality and preference) as adapted below: Tenderers must first meet or exceed the minimum points for Quality to proceed further with evaluation of Price and Preference. Tenderers who fail to meet the minimum threshold for Quality will be eliminated from further consideration. The Financial Offer is scored using the formula in MBD 6.1. Up to 20 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed.												
5.11.9	The quality criteria and maximum score in respect of each of the criteria are as follows: <table><tr><th>Quality criteria</th><th>Sub criteria</th><th>Maximum number of points</th></tr><tr><td>Tenderer's Past Experience (Similar Projects)</td><td>100 = 8 or more projects of similar scope 90 = 6 – 7 projects 70 = 4 – 5 projects 40 = 2 – 3 projects 0 = 1 or less projects or no submission</td><td>40</td></tr><tr><td>Tenderer's Past Experience (References)</td><td>100 = Excellent reference 90 = Good reference 70 = Satisfactory reference 40 = Poor reference 0 = Tenderer failed to submit the evaluation schedule; or submitted incomplete information in the prescribed format with details that will not enable obtaining a reference.</td><td>15</td></tr><tr><td>Experience of Key Staff</td><td>100 = 8 or more projects of similar scope 90 = 6 – 7 projects 70 = 4 – 5 projects</td><td>20</td></tr></table>	Quality criteria	Sub criteria	Maximum number of points	Tenderer's Past Experience (Similar Projects)	100 = 8 or more projects of similar scope 90 = 6 – 7 projects 70 = 4 – 5 projects 40 = 2 – 3 projects 0 = 1 or less projects or no submission	40	Tenderer's Past Experience (References)	100 = Excellent reference 90 = Good reference 70 = Satisfactory reference 40 = Poor reference 0 = Tenderer failed to submit the evaluation schedule; or submitted incomplete information in the prescribed format with details that will not enable obtaining a reference.	15	Experience of Key Staff	100 = 8 or more projects of similar scope 90 = 6 – 7 projects 70 = 4 – 5 projects	20
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Clause number	Tender Data		
		40 = 2 – 3 projects 0 = 1 or less projects or no submission	
	Drilling Equipment & Plant	100 = Drilling Rig with a capability Greater than 300 m 70 = Greater than 250 m but less than 300 m 40 = Greater than 200m but less than 250m 0 = Less than 200m	10
	Methodology	100 = Excellent detailed Methodology, in accordance with specific scope of works 90 =Good 70= Fair 40 =Poor 0 = Not submitted	15
	Maximum possible score for quality (M _s)		100
	The minimum number of evaluation points for quality is 70. Quality shall be scored by not less than three evaluators in accordance with the following schedules/documents: ☐ Evaluation Schedule #1: Tenderer's Past Experience (Similar Projects) ☐ Evaluation Schedule #2: Tenderer's Past Experience (References) ☐ Evaluation Schedule #3: Key Staff Experience (Supervisor / Drilling Foreman) ☐ Evaluation Schedule #4: Drilling Equipment & Plant ☐ Evaluation Schedule #5: Methodology For the purposes of this tender “projects of similar scope” will be regarded as those projects related to the drilling, testing and rehabilitation of production boreholes with varying degrees of depth ranging from 200 - 300m.		
5.11.9	Each evaluation criteria will be assessed in terms of five indicators – no response, poor, satisfactory, good and very good. Scores of 0, 40, 70, 90 or 100 will be allocated to no response, poor, satisfactory, good and very good , respectively. The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for quality.		
5.13	Tender offers will only be accepted if: a) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity b) the tenderer is in good standing with SARS according to the Central Supplier Database; c) the financial offer is market related; d) the tenderer submits a letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Part C1.4 of this procurement document e) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; f) the tenderer has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect;		

Clause number	Tender Data
	g) the tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process; h) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; i) the Employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to perform the services. j) The Tenderer satisfies the objective criteria stated in the Standard Conditions of Tender.
5.17	The number of paper copies of the signed contract to be provided by the employer is ONE .
6.	Special Conditions of Tender
6.1	Tenderers will be considered non-responsive if, inter alia: 1) The Tenderer does not comply with the required eligibility criteria as specified in 4.1 above; 2) The Tenderer failed to attend the compulsory clarification meeting; 3) The Tenderer failed to submit one Offer per tendering entity; 4) The Tenderer failed to submit additional information by the due date; 5) The Tender failed to complete or sign the Form of Offer bound into this tender document; 6) The tender is not completed in non-erasable ink; and 7) The tender contained material qualifications or deviations that affected the scope, quality or performance of the works; significantly changed the parties' risks and responsibilities or affected the competitive position of other Tenderers if they were to be rectified.
6.2	The following factors will be considered during the tender evaluation and adjudication process: 1) Tenders will be evaluated according to the Employer's SCM and Preferential Procurement Policies and the relevant industry guidelines. 2) The lowest, the highest or any tender will not necessarily be accepted and the Council reserves the right to accept any tender wholly or partially or to withdraw the tender. 3) All copies of certificates submitted with the tender must be certified originals by a commissioner of Oaths. 4) Tenders which are late, incomplete, unsigned, completed in pencil, submitted by facsimile or electronically, will not be accepted; 5) Tenderers with any municipal account outstanding for more than 90 days may be rejected. 6) All businesses and suppliers wishing to conduct business with the Employer must register on the Central Supplier Database (CSD) before any orders may be processed.
6.3	The Employer intends to appoint a Preferred and Alternate CIDB registered Contractor for the proposed drilling, testing and rehabilitation works. If the Preferred Contractor fails to commence with the works or submits unacceptable documentation in accordance with the Contract or the Contract is terminated by the Employer in accordance with the Contract provisions, the Employer may appoint the Alternate Contractor to complete the works.

Part T2: Returnable Documents

T2.1 List of returnable documents

The tenderer must complete the following returnable schedules in **black ink**

No	Returnable Document	Completed
1.	Documentation to demonstrate eligibility to have tenders evaluated	
1.1	☐ CIDB registration number	
	Note: Failure to provide the above will result in the tender being ineligible and eliminated from further evaluation	
2.	Returnable Schedules required for tender evaluation purposes	
2.1	☐ Certificate of Authority for Signatory	
2.2	☐ Certificate of Authority for Joint Ventures	
2.3	☐ Financial Standing	
2.4	☐ Letter of Good Standing	
2.5	☐ Letter of intent to provide a Performance Bond	
2.6	☐ Schedule of Current Commitments	
2.7	☐ Evaluation Schedule #1: Tenderer's Past Experience (Similar Projects)	
2.8	☐ Evaluation Schedule #2: Tenderer's Past Experience (References)	
2.9	☐ Evaluation Schedule #3: Key Staff Experience	
2.10	☐ Evaluation Schedule #4: Drilling Equipment & Plant	
2.11	☐ Evaluation Schedule #5: Methodology	
3.	Other documents required for tender evaluation purposes	
3.1	☐ ORIGINAL CERTIFIED copies of B-BBEE Verification Certificates issued by a verification agency accredited by the South African National Accreditation System (SANAS) in accordance with Section 7 of Statement 005, Gazette Number 34612 or, in the case of an Exempted Micro Enterprise or a Qualifying Small Enterprise, a Sworn Affidavit (general) on the relevant form obtained from the DTI website.	
3.2	☐ Letter of Good Standing from the Compensation Commissioner or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993.	
3.3	☐ Current Municipal Accounts or Clearance Certificates for the municipal services of the bidder, all owners, directors, members and managers of the enterprise. Alternatively, proof of a lease agreement for bidders with no municipal accounts will be accepted.	
3.4	☐ ORIGINAL CERTIFIED copies of Identity Documents (IDs) of all shareholders/owner(s) / partners of bidding companies must be submitted with the bid document.	
3.5	☐ Joint venture agreement where applicable.	
3.6	☐ A letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Part T2.2 of this procurement document	
3.7	☐ Confirmation of financial standing (bank rating) from the tenderer's financial institution	

No	Returnable Document	Completed
4.	Returnable Schedules that will be used for tender evaluation purposes and be incorporated into the contract	
4.1	☐ MBD 1 (PART A): Invitation to Bid	
4.2	☐ MBD 1 (PART B): Terms and Conditions for Bidding	
4.3	☐ MBD 2: Tax Clearance Certificate or PIN Number	
4.4	☐ MBD 4: Declaration of Interest	
4.5	☐ MBD 6.1: Preference points claim form in terms of the Preferential Procurement Regulations	
4.6	☐ MBD 8: Declaration of bidder's past supply chain management practices	
4.7	☐ MBD 9: Certificate of Independent Tender Determination	
4.7	☐ MBD 15: Certificate for Payment of Municipal Services	
4.8	☐ Proposed Amendments and Qualifications	
4.9	☐ Record of Addenda to Tender Documents	
4.10	☐ Schedule of Proposed Subcontractors	
5.	C1.1 Offer portion of Form of Offer and Acceptance	
6.	C1.2 Contract Data (Part 2)	
7.	C2.2 Bills of Quantities	

T2.2 Returnable Schedules

MBD 1 (PART A): INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE MUNICIPALITY					
BID NUMBER:	111/2026	CLOSING DATE:	15 SEPT 2026	CLOSING TIME:	13:30
DESCRIPTION	KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (Offer, Schedule of Deviations and Confirmation of Receipt)					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)	Prince Albert Municipality Offices Finance Division Thusong Centre, Adderley Street Prince Albert 6930				
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		☐ Yes ☐ No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED	REFER TO BOQ		TOTAL BID PRICE		REFER TO OFFER

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

SIGNATURE OF BIDDER		DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED			
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL ENQUIRIES MAY BE DIRECTED TO:	
DEPARTMENT	Supply Chain Management	CONTACT PERSON	Technical Services
CONTACT PERSON	David-Leagh Willemse	TELEPHONE NUMBER	Ashley America
TELEPHONE NUMBER	023 541 1668	FACSIMILE NUMBER	023 541 1036
E-MAIL ADDRESS	scm@pamun.gov.za	E-MAIL ADDRESS	ashley@pamun.gov.za

MBD 1 (PART B): TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR ONLINE 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS.
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS. 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA. 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3. 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS
3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE
BID INVALID.**

NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS
SIGNED:

DATE:

MBD 2: TAX CLEARANCE CERTIFICATE OR PIN NUMBER

PRINCE ALBERT LOCAL MUNICIPALITY

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

1. In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax Clearance Certificate or PIN number that will be valid for a period of 1 (one) year from the date of approval.
3. The original Tax Clearance Certificate or PIN number must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
4. In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate or PIN number.
5. Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
6. Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

SIGNED ON BEHALF OF BIDDER:

MBD 4: DECLARATION OF INTEREST

DECLARATION OF INTEREST			
1.	No bid will be accepted from persons in the service of the state*.		
2.	Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in the service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.		
3.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.		
3.1.	Full Name of bidder or his / her representative:		
3.2.	Identity number:		
3.3.	Position occupied in the Company (director, trustee, shareholder ²)		
3.4.	Company Registration Number:		
3.5.	Tax Reference Number:		
3.6.	VAT Registration Number:		
3.7.	The names of all directors / trustees / shareholders / members, their individual identity numbers and state employee numbers (where applicable) must be indicated in paragraph 4 below.		
3.8.	Are you presently in the service of the state*	YES / NO	
3.8.1.	If YES, furnish particulars.		
3.9.	Have you been in the service of the state for the past twelve months?	YES / NO	
3.9.1.	If YES, furnish particulars.		
3.10.	Do you, have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?	YES / NO	
3.10.1.	If YES, state particulars.		
3.11.	Are you aware of any relationship (family, friend, other) between the bidder and any person in the service of the state who may be involved with the evaluation and or adjudication of this bid?	YES / NO	
3.11.1.	If YES, state particulars.		
3.12.	Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state?	YES / NO	
3.12.1.	If YES, state particulars.		
3.13.	Is any spouse, child or parent of the company's directors, trustees, managers, principal shareholders or stakeholders in service of the state?	YES / NO	
3.13.1.	If YES, furnish particulars.		

3.14.	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract?	YES / NO	
3.14.1.	If so, furnish particulars.		
4.	FULL DETAILS OF DIRECTORS / TRUSTEES / MEMBERS / SHAREHOLDERS:		
COMPLETION OF THE FOLLOWING INFORMATION IS COMPULSORY :			
Full Name		Identity Number	Individual Tax Number for each Director
CERTIFICATION			
I CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT. I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.			
NAME OF ENTERPRISE			
CAPACITY		DATE	
NAME (PRINT)		SIGNATURE	
*MSCM Regulations: "in the service of the state" means to be - a) a member of – (i) any municipal council; (ii) any provincial legislature; or (iii) the National Assembly or the National Council of Provinces; b) a member of the board of directors of any municipal entity; c) an official or any Municipality or municipal entity; d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999); e) a member of the accounting authority of any national or provincial entity; or f) an employee of Parliament or a provincial legislature. "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercise control over the company.			

Attach to this page

- ☐ **Central Supplier Database (CSD) registration**
- ☐ **CIPC Registration Certificate**
- ☐ **CIDB Registration Certificate**

Attach to this page (original certified copies only, not copies of certified copies)

☐ **Identity Documents (IDs) of:**

- ☐ **Directors**
- ☐ **Trustees**
- ☐ **Members**
- ☐ **Shareholders**
- ☐ **Owners**
- ☐ **Partners**

MBD 6.1: PREFERENTIAL PROCUREMENT

PRINCE ALBERT LOCAL MUNICIPALITY											
This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.											
PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022											
NB:	BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022										
	GENERAL CONDITIONS										
1.1	The following preference point systems are applicable to invitations to tender: - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).										
1.2	(a) The 80/20 preference point system will be applicable in this tender. The lowest (goods and services) / highest (sales and leases) acceptable tender will be used to determine the accurate system once tenders are received.										
1.3	Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for: a) Price; and b) Specific Goals.										
1.4	The maximum points for this tender are allocated as follows: <table border="1"> <thead> <tr> <th></th> <th>POINTS</th> </tr> </thead> <tbody> <tr> <td>Price</td> <td>80</td> </tr> <tr> <td>B-BBEE Status</td> <td>10</td> </tr> <tr> <td>Locality</td> <td>10</td> </tr> <tr> <td>Total points for PRICE and SPECIFIC GOALS</td> <td>100</td> </tr> </tbody> </table>		POINTS	Price	80	B-BBEE Status	10	Locality	10	Total points for PRICE and SPECIFIC GOALS	100
	POINTS										
Price	80										
B-BBEE Status	10										
Locality	10										
Total points for PRICE and SPECIFIC GOALS	100										
1.5	Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.										
1.6	The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.										
2.	DEFINITIONS										
2.1	“tender” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation										
2.2	“price” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts										

2.3	“rand value”	means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes
2.4	“tender for income-generating contracts”	means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions
2.5	“the Act”	means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).
3.	FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES	
3.1	POINTS AWARDED FOR PRICE	
3.1.1	THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS A maximum of 80 or 90 points is allocated for price on the following basis: $P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$ Where P_s = Points scored for price of tender under consideration P_t = Price of tender under consideration P_{min} = Price of lowest acceptable tender	
4.	POINTS AWARDED FOR SPECIFIC GOALS	
4.1	In terms of the Preferential Procurement Policy of Prince Albert Municipality, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:	
4.2	In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of— a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system. <u>SPECIFIC GOALS</u> SPECIFIC GOALS FOR THE TENDER AND POINTS CLAIMED ARE INDICATED PER THE TABLE BELOW. Note to <u>organs of state</u>: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.	

	Note to tenderers: The tenderer must indicate how they claim points for each preference point system.) <table border="1"> <tr> <th data-bbox="287 277 837 367">The specific goals allocated points in terms of this tender</th> <th data-bbox="837 277 1428 367">Number of points allocated i.t.o. (80/20 system) (To be completed by the organ of state)</th> </tr> <tr> <td data-bbox="287 367 837 425">B-BBEE preference points</td> <td data-bbox="837 367 1428 425">10 points</td> </tr> <tr> <td data-bbox="287 425 837 481">Locality</td> <td data-bbox="837 425 1428 481">10 points</td> </tr> </table>	The specific goals allocated points in terms of this tender	Number of points allocated i.t.o. (80/20 system) (To be completed by the organ of state)	B-BBEE preference points	10 points	Locality	10 points																								
The specific goals allocated points in terms of this tender	Number of points allocated i.t.o. (80/20 system) (To be completed by the organ of state)																														
B-BBEE preference points	10 points																														
Locality	10 points																														
4.3	A maximum of 20 points (80/20 preference points system) or 10 (90/10) preference points system), will be allocated for specific goals. These goals are: - contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability (BBBEE); - Promotion of enterprises located in the municipal area.																														
4.4	Regarding par 4.3 (a) 50% of the 20/10 points will be allocated to promote this goal and points will be allocated in terms of the BBBEE scorecard as follows: <table border="1"> <thead> <tr> <th data-bbox="287 806 683 884">B-BBEE Status Level of Contributor</th> <th data-bbox="683 806 1072 884">Number of Points for Preference (80/20)</th> <th data-bbox="1072 806 1428 884">50% of Points for Preference</th> </tr> </thead> <tbody> <tr><td>1</td><td>20</td><td>10</td></tr> <tr><td>2</td><td>18</td><td>9</td></tr> <tr><td>3</td><td>16</td><td>8</td></tr> <tr><td>4</td><td>12</td><td>6</td></tr> <tr><td>5</td><td>8</td><td>4</td></tr> <tr><td>6</td><td>6</td><td>3</td></tr> <tr><td>7</td><td>4</td><td>2</td></tr> <tr><td>8</td><td>2</td><td>1</td></tr> <tr><td>Non-compliant contributor</td><td>0</td><td>0</td></tr> </tbody> </table> - tenderer must submit proof of its B-BBEE status level contributor [scorecard]. - A tenderer failing to submit proof of B-BBEE status level of contributor may only score in terms of the 80-point formula for price; and scores 0 points for B-BBEE status level of contributor.	B-BBEE Status Level of Contributor	Number of Points for Preference (80/20)	50% of Points for Preference	1	20	10	2	18	9	3	16	8	4	12	6	5	8	4	6	6	3	7	4	2	8	2	1	Non-compliant contributor	0	0
B-BBEE Status Level of Contributor	Number of Points for Preference (80/20)	50% of Points for Preference																													
1	20	10																													
2	18	9																													
3	16	8																													
4	12	6																													
5	8	4																													
6	6	3																													
7	4	2																													
8	2	1																													
Non-compliant contributor	0	0																													
4.4.1	B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPH 4.1 B-BBEE Status Level of Contributor: (Only indicate your B-BBEE Status Level of Contributor – the points will be calculated by the Municipality)																														
4.4.2	LOCALITY Points for specific goals to promote suppliers or service providers located in a province, district or municipal area / (hereafter referred to as locality) Each tender must specify in the invitation to tender that a maximum of 50% of the 20 points will be allocated to promote the specific goal of locality. Only one of the points as set out below that best describes the enterprise's locality may be awarded if applicable.																														

LOCALITY OF SUPPLIER/ LOCAL LABOUR		POINTS
Within the boundaries of the municipality		10
Outside municipal boundaries, but within boundaries of district (Central Karoo)		8
Outside boundaries of the municipality and district, but within Western Cape Province		5
Outside of the Western Cape Province		0

Bidders must submit one of the following in order to receive points for the abovementioned criterion.

- Municipal Account of address as indicated in bid document;
- If the address as indicated in bid document is not in the name of the bidder, the latest lease agreement for this address or sworn affidavit of the owner stating occupancy.
- The premises of the bidder as indicated in the MBD6.1 of the bid document as the business address should be established prior to the advertisement date.

LOCALITY CLAIMED IN TERMS OF PARAGRAPHS 4.4

Locality (indicate as per table above)

(The address provided below, will be used to determine the locality as per 4.4.2 above).

4.6 MUNICIPAL INFORMATION

Municipality where business is situated:

Registered Account Number:

Stand Number:

4.7 NAME OF COMPANY/FIRM:

.....

4.8 COMPANY REGISTRATION NUMBER:

.....

4.8 TYPE OF COMPANY/ FIRM

☐ Partnership/Joint Venture / Consortium

☐ One-person business/sole propriety

☐ Close corporation

☐ Public Company

☐ Personal Liability Company

☐ (Pty) Limited

☐ Non-Profit Company

☐ State Owned Company

[TICK APPLICABLE BOX]

4.9 I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i. The information furnished is true and correct;
- ii. The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii. In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv. If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - a) disqualify the person from the tendering process;
 - b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF BIDDER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

.....

WITNESSES:

.....

.....

Attach to this page (original certified copies only, not copies of certified copies)

Proof of B-BBEE Claimed:

- ☐ **B-BBEE Verification Certificate, or**
- ☐ **Consolidated B-BBEE Verification Certificate (for JV's), or**
- ☐ **Sworn Affidavit**

Attach to this page (original certified copies only, not copies of certified copies)

Proof of Locality Claimed:

- ☐ **Municipal Account of address as indicated in bid document;**
- ☐ **Lease agreement for this address or**
- ☐ **Sworn affidavit of the owner stating occupancy**

MBD 8: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1. This Municipal Bidding Document must form part of all bids invited.
2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. wilfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? <i>(Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied).</i>	Yes	No
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? <i>(To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).</i>	Yes	No
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes	No
4.3.1	If so, furnish particulars:		

4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes	No
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes	No
4.7.1	If so, furnish particulars:		

5. CERTIFICATION

I, the undersigned (full name), _____, certify that the information furnished on this declaration form true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			

MBD 9: CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION:

In response to the invitation for the bid made by:

PRINCE ALBERT MUNICIPALITY

I, the undersigned, in submitting the accompanying bid, hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) geographical area where product or service will be rendered (market allocation)
 - c) methods, factors or formulas used to calculate prices;
 - d) the intention or decision to submit or not to submit, a bid;
 - e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

MBD 15: CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES

CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES				
(To be signed in the presence of a Commissioner of Oaths)				
I, the undersigned, in submitting the accompanying bid, declare that I am duly authorised to act on behalf of:		(name of the enterprise)		
I hereby acknowledge that according to SCM Regulation 38(1)(d)(i), the Municipality may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the Tenderer or any of its directors/members/partners to the Prince Albert Local Municipality, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months.				
To the best of my personal knowledge, neither the firm nor any director/member/partner of said firm is in arrears on any of its municipal accounts with any municipality in the Republic of South Africa, for a period longer than 3 (three) months.				
If the value of the transaction is expected to exceed R10 million (VAT included) I certify that the bidder has no undisputed commitments for municipal services towards any Municipality in respect of which payment is overdue for more than 30 days;				
PHYSICAL BUSINESS ADDRESS(ES) OF THE TENDERER			MUNICIPAL ACCOUNT NUMBER	
FURTHER DETAILS OF THE BIDDER'S Director / Shareholder / Partners, etc.:				
Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)
NB: Please attach certified copy(ies) of ID document(s)				
NB: Please attach copy(ies) of Municipal Accounts				
Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)				

Therefore, hereby agrees and authorises the Prince Albert Local Municipality to deduct the full amount outstanding by the Tenderer or any of its directors/members/partners from any payment due to the tenderer; and			
I further hereby certify that the information set out in this schedule and/or attachment(s) hereto is true and correct. The Tenderer acknowledges that failure to properly and truthfully complete this schedule may result in the tender being disqualified, and/or in the event that the tenderer is successful, the cancellation of the contract.			
NAME (PRINT)		SIGNATURE	
CAPACITY		DATE	
NAME OF ENTERPRISE			

COMMISSIONER OF OATHS Signed and sworn to before me at _____, on this _____ day of _____ 20____ by the Deponent, who has acknowledged that he/she knows and understands the contents of this Affidavit, it is true and correct to the best of his/her knowledge and that he/she has no objection to taking the prescribed oath, and that the prescribed oath will be binding on his/her conscience. COMMISSIONER OF OATHS:- Position: _____ Address: _____ Tel: _____	Apply official stamp of authority on this page:
---	--

Version 3.0

Attach to this page (original certified copies only, not copies of certified copies)

Municipal services accounts of the bidder, all owners, directors, members and managers of the enterprise:

- ☐ **Municipal Accounts**
- ☐ **Municipal Accounts Clearance Certificates**
- ☐ **Proof of a lease agreement for entities with no municipal accounts**

CERTIFICATE OF AUTHORITY FOR SIGNATORY

1. Sole Proprietor (Single Owner Business) and Natural Person
1.1 I, _____, the undersigned, hereby confirm that I am the sole owner of the business trading as _____
OR
1.2 I, _____, the undersigned, hereby confirm that I am submitting this tender in my capacity as natural person.

SIGNATURE		DATE	
PRINT NAME			
WITNESS 1		WITNESS 2	

2. Companies and Close Corporations
2.1 If a Bidder is a Company, a certified copy of the resolution by the board of directors, duly signed, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company must be submitted with this bid, that is, before the closing time and date of the bid.
2.2 In the case of a Close Corporation (CC) submitting a bid, a resolution by its members authorising a member or other official of the corporation to sign the documents on their behalf, shall be included with the bid.

Date Resolution was taken			
Resolution signed by (name and surname)			
Capacity			
Name and surname of delegated Authorised Signatory			
Capacity			
Specimen Signature			
Full name and surname of all Director(s) / Member (s)			
1.		2.	
3.		4.	
5.		6.	
7.		8.	
9.		10.	
Is a certified copy of the resolution attached?		YES	NO
SIGNED ON BEHALF OF COMPANY / CC		DATE	
PRINT NAME			
WITNESS 1		WITNESS 2	

Signatories of Companies must establish their authority by attaching a copy of the relevant Resolution of the Board of Directors, duly signed and dated, to this form. **An example is shown below.**

LETTERHEAD

"By Resolution of the Board of Directors at a meeting on2025

Mr. has been duly authorised to sign all documents in connection with Bid No. SCM 111/2026 on behalf of (Block capitals)

.....

SIGNED ON BEHALF OF COMPANY

IN HIS CAPACITY AS....."

Attach to this page (original certified copies only, not copies of certified copies)

- ☐ **Letter of Authority / Resolution by Board of Directors on company letterhead to sign tender documents**

CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms

....., authorised signatory of the company
....., acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....

Attach to this page (original certified copies only, not copies of certified copies)

- ☐ **Letter of Authority / Resolution by Board of Directors on company letterhead to sign tender documents on behalf of Joint Venture**

Attach to this page (original certified copies only, not copies of certified copies)

☐ **Joint venture agreement**

PROPOSED AMENDMENTS AND QUALIFICATIONS

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

If no deviations or modifications are desired, the schedule hereunder is to be marked NIL and signed by the Tenderer.

Page	Clause or item	Proposal

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

Signed.....

Date.....

Name.....

Position.....

Tenderer

RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

No.	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL).

Signed.....

Date.....

Name.....

Position.....

Tenderer

SCHEDULE OF PROPOSED SUBCONTRACTORS

We notify you that it is our intention to employ the following Subcontractors for work in this contract. If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of proposed Subcontractor	B-BBEE /EME Status	Nature and extent of work	Previous experience with Subcontractor
1.				
2.				
3.				
4.				
5.				

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

Signed.....

Date.....

Name.....

Position.....

Tenderer

FINANCIAL STANDING

Attach to this page (original certified copies only, NOT copies of certified copies)

- ☐ **Financial Standing (letter from bank/financial institution stating bank code/rating)**

LETTER OF GOOD STANDING

Attach to this page (original certified copies only, NOT copies of certified copies)

- ☐ **Letter of Good Standing (from the Compensation Commissioner or a licensed insurer)**

LETTER OF INTENT TO PROVIDE A PERFORMANCE BOND

Attach to this page (original certified copies only, NOT copies of certified copies)

- ☐ **Letter of Intent from a recognised Financial Institution to provide the Performance Bond/Guarantee in the format prescribed under the Contract Data**

SCHEDULE OF CURRENT COMMITMENTS

The following is a statement of ALL current commitments for which the Tenderer have been appointed and are currently engaged with for the next 3 years.

Please note the following:

- 1) This schedule will be used to conduct a risk assessment and to determine the Tenderer's current capacity to undertake the services required in the Scope of Work.
- 2) All information must be completed in full, failing which the Tenderer's evaluation may be negatively impacted or the Tender may be considered non-responsive.
- 3) Please attach a schedule with the same information as indicated overleaf.

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

Signed..... Date.....

Name..... Position.....

Tenderer.....

Schedule: Current Commitments:**(Please duplicate this page electronically, complete the information and attach with your tender)**

Tender No.	Description	Scope of Work	Value of Work	Completion date	Employer name	Contact name	Contact number	E-mail address

Attach to this page

- ☐ **Tenderer's Current Commitments** (with details prescribed above)

Evaluation Schedule #1: TENDERER'S PAST EXPERIENCE (Similar Projects)

The attached schedule(s) is a statement of projects successfully completed by our company over the past 10 years.

Please note the following:

- 1) This schedule will be used to conduct a risk assessment and to determine the Tenderer's capability and capacity to undertake the services required in the Scope of Work.
- 2) All information must be completed in full, failing which the Tenderer's quality scoring may be negatively impacted or the Tender may be considered non-responsive.
- 3) Please attach a schedule with the same information as indicated overleaf.
- 4) The Quality criteria and scoring is as stated in the Tender Data.

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

Signed..... Date.....

Name..... Position.....

Tenderer.....

Tenderer's Past Experience (Similar Projects)**(Please duplicate this page electronically, complete the information and attach with your tender)**

Tender No.	Description	Scope of Work	Value of Work	Completion date	Employer name	Contact name	Contact number	E-mail address

Evaluation Schedule #2: TENDERER'S PAST EXPERIENCE (References)

This schedule will be used to conduct a risk assessment and to determine the Tenderer's capability and capacity to undertake the services required in the Scope of Work.

Please note the following:

- 1) All information must be completed in full, failing which the Tenderer's quality scoring may be negatively impacted or the Tender may be considered non-responsive.
- 2) Tenderers are required to submit the attached form to **at least three (3)** of the Employers referenced in the **previous schedule of Tenderer's Past Experience (Similar Projects)**.
- 3) The Employer / Referee need to submit this reference form by email to the Employer's address on or before the closing date and time for submission of tenders in order for the Tenderer to qualify for Quality points under this category. Alternatively, the reference form may be completed and submitted with the tender document.
- 4) The Quality criteria and scoring is as stated in the Tender Data.

Number of sheets appended by the Tenderer to this Schedule (if nil, enter NIL)

Signed..... Date.....

Name..... Position.....

Tenderer.....

Reference Form #1TO: Prince Albert Municipality (scm@pamun.gov.za)

FROM: [Referee e-mail address] _____

SUBJECT: Tender Reference for [Tenderer's Name] _____

Dear Sir/Madam,

We have been listed as a reference by the above Contractor for **Tender 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)** for the following project:

Contract Number	Description of Works	Year completed

We hereby score the Tenderer by marking with an "X" in the table below with regards to their performance in managing the **Time**, **Cost** and **Quality** of the above project.

Criteria	Details	Rating	Score
Time management	Significant delays attributable to Contractor	40% = Poor	
	Some delays attributable to Contractor	70% = Satisfied	
	On time, no delays attributable to Contractor	90% = Good	
	Ahead of time	100% = Excellent	
Cost Management	Significant cost over-run, disputed by Employer	40% = Poor	
	Some cost over-run, limited disputes by Employer	70% = Satisfied	
	Completed for contract sum, plus agreed extras only	90% = Good	
	Completed for contract sum and absorbed additional costs	100% = Excellent	
Quality Management	Need for close attention by inspectors; significant re-working required; handover subject to many defects; slow attention to defects after handover	40% = Poor	
	Inspections regarded as necessary; little re-working required; handover subject to some defects; efficient attention to defects after handover	70% = Satisfied	
	Inspections largely a formality; some re-work required but all initiated by Contractor; few defects at handover and very efficiently cleared	90% = Good	
	No re-work attributable to Contractor; substantially free of defects attributable to Contractor; completely satisfied	100% = Excellent	
Overall			

Please contact us for any further information.

Regards

Signed..... Date.....

Name..... Position.....

Employer Name

Reference Form #2TO: Prince Albert Municipality (scm@pamun.gov.za)

FROM: [Referee e-mail address] _____

SUBJECT: Tender Reference for [Tenderer's Name] _____

Dear Sir/Madam,

We have been listed as a reference by the above Contractor for **Tender 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)** for the following project:

Contract Number	Description of Works	Year completed

We hereby score the Tenderer by marking with an "X" in the table below with regards to their performance in managing the **Time**, **Cost** and **Quality** of the above project.

Criteria	Details	Rating	Score
Time management	Significant delays attributable to Contractor	40% = Poor	
	Some delays attributable to Contractor	70% = Satisfied	
	On time, no delays attributable to Contractor	90% = Good	
	Ahead of time	100% = Excellent	
Cost Management	Significant cost over-run, disputed by Employer	40% = Poor	
	Some cost over-run, limited disputes by Employer	70% = Satisfied	
	Completed for contract sum, plus agreed extras only	90% = Good	
	Completed for contract sum and absorbed additional costs	100% = Excellent	
Quality Management	Need for close attention by inspectors; significant re-working required; handover subject to many defects; slow attention to defects after handover	40% = Poor	
	Inspections regarded as necessary; little re-working required; handover subject to some defects; efficient attention to defects after handover	70% = Satisfied	
	Inspections largely a formality; some re-work required but all initiated by Contractor; few defects at handover and very efficiently cleared	90% = Good	
	No re-work attributable to Contractor; substantially free of defects attributable to Contractor; completely satisfied	100% = Excellent	
Overall			

Please contact us for any further information.

Regards

Signed..... Date.....

Name..... Position.....

Employer Name

Reference Form #3TO: Prince Albert MUNICIPALITY (scm@pamun.gov.za)

FROM: [Referee e-mail address] _____

SUBJECT: Tender Reference for [Tenderer's Name] _____

Dear Sir/Madam,

We have been listed as a reference by the above Contractor for **Tender 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)** for the following project:

Contract Number	Description of Works	Year completed

We hereby score the Tenderer by marking with an "X" in the table below with regards to their performance in managing the **Time**, **Cost** and **Quality** of the above project.

Criteria	Details	Rating	Score
Time management	Significant delays attributable to Contractor	40% = Poor	
	Some delays attributable to Contractor	70% = Satisfied	
	On time, no delays attributable to Contractor	90% = Good	
	Ahead of time	100% = Excellent	
Cost Management	Significant cost over-run, disputed by Employer	40% = Poor	
	Some cost over-run, limited disputes by Employer	70% = Satisfied	
	Completed for contract sum, plus agreed extras only	90% = Good	
	Completed for contract sum and absorbed additional costs	100% = Excellent	
Quality Management	Need for close attention by inspectors; significant re-working required; handover subject to many defects; slow attention to defects after handover	40% = Poor	
	Inspections regarded as necessary; little re-working required; handover subject to some defects; efficient attention to defects after handover	70% = Satisfied	
	Inspections largely a formality; some re-work required but all initiated by Contractor; few defects at handover and very efficiently cleared	90% = Good	
	No re-work attributable to Contractor; substantially free of defects attributable to Contractor; completely satisfied	100% = Excellent	
Overall			

Please contact us for any further information.

Regards

Signed..... Date.....

Name..... Position.....

Employer Name

Evaluation Schedule #3: KEY STAFF EXPERIENCE

Key Staff experience will be evaluated on them having done contracts of similar scope in the key positions proposed.

An abbreviated CV of the following key staff should be completed on the attached schedules and signed by the relevant key staff. **Do NOT submit a separate CV.**

-
- Evaluation Construction Supervisor (foreman)

In the case of an association / joint venture / consortium, it should be indicated how the duties and responsibilities are to be shared.

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed..... Date.....

Name..... Position.....

Tenderer.....

Key Staff Experience (Abridged CV's):

- ☐ **Complete CV's provided overleaf for each Key Staff attached to this schedule (do NOT attach own CV's)**

EVALUATION SCHEDULE**CONSTRUCTIONSUPERVISOR (DRILLING FOREMAN)****(Attach certified copies of qualifications and professional registration, if any)**

Full Name			
ID Number			
Current Work Address			
Contact Number			
E-mail address			
Highest Qualification			
Date Obtained (mm/yyyy)		Years Experience (post Qualification)	
Professional Registration			
Date Obtained (mm/yyyy)		Years Experience (post Registration)	
Relevant experience in Borehole Development projects			
Employer (Client)	Project Description	Year completed	

Certification: I certify that to the best of my knowledge and belief, the information reflected above correctly describes me, my qualifications and my experience.	Signature _____ Date _____
--	-------------------------------

EVALUATION SCHEDULE #4: PLANT AND DRILLING EQUIPMENT**(Attached original certified copies of proof of ownership and/or hiring agreements)**

The following plant and equipment are expected to be provided for this contract as a minimum:

- 1 no. - Drilling Rig with a Capability to drill to a depth greater than 300m
- 1 no. - Drilling Rig with a Capability to drill to a depth greater than 250m
- 1 no. - Drilling Rig with a Capability to drill to a depth greater than 200m

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

b) Details of major equipment that will be hired or acquired for this contract if my / our tender is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Number of sheets appended by the tenderer to this Schedule (if nil, enter NIL)

Signed..... Date.....

Name..... Position.....

Enterprise Name.....

EVALUATION SCHEDULE #5: METHODOLOGY

Purpose of Schedule

The Tenderer shall complete this schedule to demonstrate its understanding of the required borehole works, the methodology proposed for execution, the suitability and availability of plant and equipment, and relevant experience on comparable projects. Generic company profiles or generic method statements will not, on their own, be considered adequate evidence of technical capability.

2. Understanding of the Works

Provide a concise description of your understanding of the scope of work, including the key technical activities, anticipated constraints and risks, and how these will be managed.

3. Proposed Methodology

Describe the proposed methodology and sequence of work. The response shall be specific to this tender and address the applicable activities below.

- Mobilisation, site establishment and borehole set-up.
- Drilling method and management of changing or difficult geological conditions.
- Borehole construction, casing installation and safe handling of casing at the required depths.
- Gravel-pack placement and method of confirming correct placement.
- Grouting, sealing and borehole-head completion, where applicable.
- Identification and recording of water strikes, blow yields and field water-quality parameters.
- Borehole development and cleaning.
- Test pumping, including step testing, constant-discharge testing, recovery monitoring and flow measurement.
- Mechanical rehabilitation methods, where applicable.
- Chemical rehabilitation methods, including chemical selection, handling, dosing, flushing and disposal, where applicable.
- Quality control, field data recording, reporting and communication with the Engineer / Geohydrologist.

4. Plant and Equipment Proposed

List the principal plant and equipment that will be available for this contract. Capacities must be stated where relevant. Tenderers shall indicate whether equipment is owned, hired or subcontracted.

Equipment	Make / Model	Capacity Rating /	Qty	Owned / Hired	Proposed Use

As a minimum, the schedule should identify applicable drilling rigs, compressors, casing handling/lifting equipment, grouting/tremie equipment, development and rehabilitation equipment, test pumps, water-level meters, flow-measuring equipment, EC/pH meters, borehole camera equipment and chemical dosing/mixing equipment.

Part C1: Agreements and Contract Data

C1.1 Forms of Offer and Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

111/2026 - KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

The Tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the Tenderer offers to perform all of the obligations and liabilities of the **Contractor** under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS: (R)	
.....	
.....	
..... (in words)	
AMOUNT IN FIGURES (INCLUDING VAT)	R

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the **Contractor** in the conditions of contract identified in the Contract Data.

For the Tenderer

.....

Signature(s)

Name(s)

Capacity

Name and address of
organisation):

.....

Signature and name
of witness

Date

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract, are contained in:

- Part C1 Agreements and Contract Data, (which includes this Agreement)
- Part C2 Pricing Data
- Part C3 Scope of Work
- Part C4 Site Information

and drawings and documents (or parts thereof), which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Tenderer shall within two weeks after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

For the Employer

Signature(s)

Name(s)

Capacity

Name and address of
organisation): **PRINCE ALBERT LOCAL MUNICIPALITY**
PRIVATE BAG X53
THUSONG BUILDING
ADDERLEY STREET
PRINCE ALBERT
6930

Signature and name
of witness

Date

Schedule of Deviations

Notes:

- a) The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
- b) A Tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here.
- c) Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents, and which it is agreed by the Parties becomes an obligation of the contract, shall also be recorded here.
- d) Any change or addition to the tender documents arising from the above agreements and recorded here shall also be incorporated into the final draft of the Contract.

1	Subject
	Details
	
	
2	Subject
	Details
	
	

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the Tenderer

.....

Signature

.....

Name

.....

Capacity

Name and address of organisation

.....

.....

.....

.....

.....

Witness signature

.....

Witness name

.....

Date

For the Employer

.....

.....

.....

Name and address of organisation

**PRINCE ALBERT LOCAL MUNICIPALITY
PRIVATE BAG X53
THUSONG CENTRE
FINANCE DIVISION
ADDERLEY STREET
PRINCE ALBERT
6930**

.....

.....

.....

Confirmation of Receipt

The Tenderer, now **Contractor**, identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today.

the(day)

of(month)

20 (year)

at(place)

For the **Contractor**

.....
Signature

.....
Name

.....
Capacity

Signature and the name of witness

.....
Signature

.....
Name

C1.2 Contract Data

Part 1: Data provided by the Employer

CONDITIONS OF CONTRACT

The *General Conditions of Contract for Construction Works, Fourth Edition (2025)* published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from www.saice.org.za.

AMENDMENTS

No amendments to the *General Conditions of Contract for Construction Works, Fourth Edition (2025)*, shall be applicable to this Contract:

CONTRACT SPECIFIC DATA

The following contract specific data, referring to the *General Conditions of Contract for Construction Works, Fourth Edition (2025)*, are applicable to this Contract:

Clause	Data
1.1.1.13:	The Defects Liability Period is 12 months .
1.1.1.14:	The time for achieving Practical Completion is 5 (five) weeks .
1.1.1.15:	The name of the Employer is: PRINCE ALBERT LOCAL MUNICIPALITY represented by the MUNICIPAL MANAGER and/or such other person or persons duly authorised thereto by the Employer in writing.
1.2.1.2:	The address of the Employer is: Address (physical): Municipal Manager Address (postal): Prince Albert 6930 Private Bag X53 Prince Albert 6930 Telephone: 023 541 1036 e-mail: ashley@pamun.gov.za
1.1.1.16:	The name of the Employer's Agent is: AGES Omega (Pty)Ltd or their successors duly appointed by the Employer.
1.2.1.2:	The address of the Employer's Agent is: Address (physical): AGES Omega (Pty)Ltd 10 Sansom Road, Vincent East London 5241 Address (postal): Private Bag 9063X East London 5241 Telephone: 043 726 2070 e-mail: wctech2@ages-group.com
1.1.1.27:	The Pricing Strategy is a Bill of Quantities (re-measurement) .

Clause	Data
3.2.3:	The Employer's Agent shall obtain the specific approval of the Employer before executing any of these functions or duties according to the following Clauses of the General Conditions of Contract: 1) Clause 3.3.1 – Nomination of Employer's Agent's Representative 2) Clause 3.3.4 – Employer's Agent's authority to delegate 3) Clause 5.8.1 – Non-working times 4) Clause 5.11.3 – Suspension of the Works 5) Clause 5.12.4 – Acceleration instead of extension of time 6) Clause 6.3.2 – Orders for variations to be in writing 7) Clause 10.1.5 – Employer's Agent's ruling on Contractor's claim
3.3.1	The Employer's Agent's Representative shall be on site as agreed between the parties at the first site meeting.
5.3.1:	The documentation required before commencement with Works execution is: 1) Health and Safety Plan (Refer to Clause 4.3) 2) Initial programme (Refer to Clause 5.6) including cash flow 3) Security (Refer to Clause 6.2) 4) Insurance (Refer to Clause 8.6) 5) Occupational Health and Safety Agreement (C1.4 of the Contract Document) 6) Letter of Good Standing from the Compensation Commissioner (if not insured with a Licensed Compensation Insurer)
5.3.2:	The time to submit the documentation required before commencement with Works execution is 14 days.
5.4.2:	The access and possession of the site shall not be exclusive to the Contractor but as set out in the Site Information.
5.5.1 and 5.8.1:	Non-working days does not apply. The special non-working days are: 1) All gazetted public holidays falling outside the year end break. 2) The year end break as proposed by the Bargaining Council for the Civil Engineering Industry (BCCEI) and obtainable from info@bccei.co.za.
5.12.2.2:	A delay caused by inclement weather conditions will be regarded as a delay only if, in the opinion of the Employer's Agent, all progress on an item or items of work on the critical path of the working programme of the contractor has been brought to a halt. Delays on working days only (based on a five-day working week) will be taken into account for the extension of time, but the Contractor shall make provision in his programme of work for an expected delay of "n" working days caused by normal rainy weather, for which he will not receive any extension of time, where "n" equals 2 days per month. Extension of time during working days will be granted to the degree to which actual delays, as defined above, exceed the number of "n" working days. It shall be further noted that where the critical path is not affected, no extension of time for <u>abnormal</u> climatic conditions or for any other reason will be entertained.
5.13.1:	The penalty for failing to complete the Works is R800 per day.
5.14.1	The requirements for achieving Practical Completion are: (1) All instructed new boreholes have been drilled, constructed, developed, secured and completed in accordance with the Contract. (2) All required borehole testing and recovery monitoring have been completed and the field data submitted. (3) Required groundwater samples have been collected and submitted for laboratory analysis, and available laboratory results/certificates have been submitted. (4) All instructed mechanical and/or chemical rehabilitation works have been completed, including required pre- and post-rehabilitation inspections and testing.

Clause	Data
	(5) All required drilling, construction, testing, rehabilitation and water-quality records/reports have been submitted to the Employer's Representative. (6) Boreholes have been safely capped/protected and all work areas have been cleared and reinstated to a safe and acceptable condition.
	The work and/or rectification of certain defects and/or clearing of the Site that may be completed by a later date than the date of the Certificate of Completion shall be the following: 1) None – all works must be completed
5.16.3:	The latent defects period is 10 years
6.2.1	The Contractor shall select one security in PART 2 of which the percentages shall be as follows: 1) Fixed Performance Guarantee being 10% of the Contract Sum, or 2) Variable Performance Guarantee being 5% of the Contract Sum for the first period and being 5% of the Contract Sum for the second period, or
6.2.4	Advance Payment Guarantee: <i>Add the following as Clause 6.2.4:</i> "6.2.4 The Employer may make an advance payment to the Contractor in an amount up to 30% of the Contract Sum, as an interest free loan for mobilisation, provided that: 6.2.4.1 The Contractor shall submit a guarantee from a recognised financial institution, in accordance with the pro forma Advance Payment Guarantee, in an amount equal to the amount of the advance payment. 6.2.4.2 The financial institution shall be subject to the approval of the Employer's Agent. 6.2.4.3 The Contractor shall deliver to the Employer's Agent a statement for payment for the advance payment in terms of Clause 6.10.1.3. 6.2.4.4 The advance payment shall be repaid through 25% deductions in payment certificates (excluding the advance payment and deductions and repayments of retention moneys), commencing when the total of interim payment exceeds 10% of the Contract Sum, until such time that the advance payment has been repaid. The Contractor shall ensure that the Advance Payment Guarantee remains valid and enforceable until the advance payment has been repaid. If the advance payment has not been repaid by the date 28 days prior to the expiry date of the Advance Payment Guarantee, the Contractor shall extend the validity of the Advance Payment Guarantee until such time that the advance payment has been repaid "
6.8.3	Price adjustments for the variations in the cost of special material is allowed .
6.10.1.5:	The percentage advance on materials not yet built into the Permanent Works is 80%. The percentage advance on Plant not yet supplied to Site is 80%. The value of the security bond for Plant and materials not yet supplied to Site or not yet built into the permanent works shall be Not required
6.10.3:	The percentage of retention being 5% of the Contract Sum. There is no limit on retention. A guarantee in lieu of retention is permitted.
6.10.6.2	Where the Prescribed Rate of Interest Act does not apply, the interest rate on late payments shall be prime plus 1% .
8.6.1.1.2:	The value of plant and materials supplied by the Employer to be included in the insurance sum is R100 000 .
8.6.1.1.3:	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is NIL .

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

Clause	Data
8.6.1.3:	The limit of indemnity for liability insurance is R 10 000 000 for any single claim – the number of claims to be unlimited during the construction and defects liability periods.
10.3.2	Amicable settlement in terms of Clause 10.4 shall be contemplated for all disputes prior to referring any dispute to Adjudication or Arbitration.
10.5.3	The number of Adjudication Board members to be appointed is ONE .
10.7.1	The determination of disputes shall be by Arbitration .

Part 2: Data provided by the Contractor

Clause	Data												
1.1.1.9:	The name of the Contractor is												
1.2.1.2:	The head office address of the Contractor is: Address (physical) Address (postal) Telephone : email :												
1.2.1.2:	The nearest local office address of the Contractor is: Address (physical) Address (postal) Telephone : email :												
6.2.1:	The Security to be provided by the Contractor shall be one of the following below to be selected by the Contractor. The percentage shall be as the Employer has stated under Clause 6.2.1 in PART 1: <table border="1"> <thead> <tr> <th>Type of security</th><th>Contractor's choice. Indicate "Yes" or "No"</th></tr> </thead> <tbody> <tr> <td>Fixed Performance Guarantee</td><td></td></tr> <tr> <td>Variable Performance Guarantee</td><td></td></tr> </tbody> </table> The performance guarantee shall contain the exact wording of the document included in C1.3.	Type of security	Contractor's choice. Indicate "Yes" or "No"	Fixed Performance Guarantee		Variable Performance Guarantee							
Type of security	Contractor's choice. Indicate "Yes" or "No"												
Fixed Performance Guarantee													
Variable Performance Guarantee													
6.8.3:	The variations in cost of special materials is based on the following: <table border="1"> <thead> <tr> <th>Type of special material</th><th>Unit</th><th>Rate or price</th></tr> </thead> <tbody> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </tbody> </table>	Type of special material	Unit	Rate or price									
Type of special material	Unit	Rate or price											

Signed..... Date.....
Name..... Position.....
Tenderer

C1.3 Occupational Health and Safety Agreement

AGREEMENT MADE AND ENTERED INTO BETWEEN THE Prince Albert Municipality (HEREINAFTER CALLED THE "EMPLOYER") AND

..... ,
(Contractor/Mandatory/Company/CC Name)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, ACT No. 85 OF 1993 AS AMENDED.

I, , representing

..... , as an Employer in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work will be performed, and all equipment, machinery or plant used in such a manner as to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the Regulations promulgated thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that all registration and assessment monies due to the Compensation Commissioner have been fully paid or that I/We are insured with an approved licensed compensation insurer.

COID ACT Registration Number:

OR Compensation Insurer: Policy No.:
.....

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHSA and Regulations as well as the Municipalities Special Conditions of Contract, Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the appended Occupational Health and Safety Conditions and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan.

Signed at on the day of 20....

Witness

Mandatory

Signed at on the day of 20

Witness

for and on behalf of
Prince Albert Local Municipality

OCCUPATIONAL HEALTH AND SAFETY CONDITIONS

1. The Chief Executive Officer of the Contractor shall assume the responsibility in terms of Section 16(1) of the Occupational Health and Safety Act (as amended). Should the Contractor assign any duty in terms of Section 16(2), a copy of such assignment shall immediately be provided to the representative of the Employer as defined in the Contract.
2. All work performed on the Employer's premises shall be performed under the supervision of the construction supervisor who understand the hazards associated with any work that the Contractor performs on the site in terms of Construction Regulations.
3. The Contractor shall appoint a Competent Person who shall be trained on any occupational health and safety aspect pertaining to them or to the work that is to be performed.
4. The Contractor shall ensure that he familiarises himself with the requirements of the Occupational Health and Safety Act and that he, his employees, and any sub-contractors, comply with them.
5. Discipline in the interests of occupational health and safety shall be strictly enforced.
6. Personal protective equipment shall be issued by the Contractor as required and shall be worn at all times where necessary.
7. Written safe work procedures and appropriate precautionary measures shall be available and enforced, and all employees shall be made conversant with the contents of these practices.
8. No substandard equipment/machinery/articles or substances shall be used on the site.
9. All incidents referred to in terms of Section 24 of the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour and the Employer.
10. The Employer hereby obtains an interest in the issue of any formal inquiry conducted in terms of Section 32 of the Occupational Health and Safety Act and into any incident involving a Contractor and/or his employees and/or his sub-contractor/s.
11. No use shall be made of any of the Employer's machinery/plant/equipment/substance/personal protective equipment or any other article without prior arrangement and written approval.
12. No alcohol or any other intoxicating substance shall be allowed on the site. Any person suspected of being under the influence of alcohol or any other intoxicating substance shall not be permitted access to, or allowed to remain on the site.
13. Prior to commencement of any work, verified copies of all documents mentioned in the agreement, must be presented to the Employer.

C1.4 Form of Guarantee

PERFORMANCE GUARANTEE

For use with the General Conditions of Contract for Construction Works, Fourth Edition (2025)

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

Physical address:

"Employer" means: Prince Albert Local Municipality

"Contractor" means:

"Employer's Agent" means:

"Works" means: **Contract No: 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)**

"Site" means: The site as defined in Clause 1.1.1.29 of the General Conditions of Contract.....

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of R

Amount in words:

"Guaranteed Sum" means: The maximum aggregate amount of R.....

"Guaranteed Amount" in words:

Type of Performance Guarantee (Variable or Fixed):

"Expiry Date" means: The date of issue by the Employer's Agent of the Certificate of Completion of the Works

1. VARIABLE PERFORMANCE GUARANTEE

1.1. Where a Variable Performance Guarantee has been selected, the Guarantor's liability shall be limited during the following periods as follows:

1.1.1. To the Guaranteed Sum for the period from and including the date of issue of the Performance Guarantee up to and including the date of issue of the interim payment certificate certifying, for the first time, more than 50 % of the Contract Sum:

1.1.2. To the Reduced Amount set out below for the period from the day following the date of issue of the said interim payment certificate up to and including the date of issue by the Employer's Agent of the Certificate of Completion of the Works, or the date of payment in full of the Guaranteed Sum, or the Expiry Date, whichever occurs first:

Reduced Amount: R

Reduced Amount in words:

1.2. The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the interim payment certificate certifying, for the first time, more than 50 % of the Contract Sum, has been issued and the date on which the Certificate of Completion of the Works has been issued.

2. FIXED PERFORMANCE GUARANTEE

- 2.1. Where a Fixed Performance Guarantee has been selected, the Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2.2. The Guarantor's period of liability shall be from and including the date of issue of the Performance Guarantee, up to the date of issue by the Employer's Agent of the Certificate of Completion of the Works, or the date of payment in full of the Guaranteed Sum, or the Expiry Date, whichever occurs first.

3. CONDITIONS APPLICABLE TO VARIABLE AND FIXED PERFORMANCE GUARANTEES

3.1. The Guarantor hereby acknowledges that:

- 3.1.1. Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.
- 3.1.2. Its obligation under this Performance Guarantee is restricted to the payment of money.

3.2. Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:

- 3.2.1. A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within 7 calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;

- 3.2.2. A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of 7 days has elapsed since the first written demand in terms of 3.2.1 and the sum certified has still not been paid;

- 3.2.3. A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.

3.3. Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:

- 3.3.1. the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 3.3; or
- 3.3.2. a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; or
- 3.3.3. a voluntary winding-up resolution has been filed by the Contractor and that the Performance Guarantee is called up in terms of 3.3; or
- 3.3.4. a resolution to commence business rescue proceedings has been filed by the Contractor and that the Performance Guarantee is called up in terms of 3.3; or
- 3.3.5. a court order has been granted placing the Contractor under supervision and the commencement of business rescue proceedings and that the Performance Guarantees is called up in terms of 3.3.

3.3.6. The written demand to be accompanied by a copy of:

- 3.3.6.1. the notice of termination or
- 3.3.6.2. the relevant court order or
- 3.3.6.3. the relevant notification issued by the Companies and Intellectual Properties Commission or
- 3.3.6.4. the relevant notification by the applicable governmental authority.

3.4. Where the Employer is not in possession or unable to submit the documents in terms of 3.3.6 above, the Employer shall be allowed a 60-calender-day period to submit the documents subject to the following:

- 3.4.1. The demand in terms of 3.3 must be received by the Guarantor before the expiry date.
- 3.4.2. The effective date as evidenced in the documents in terms of 3.3.6 is prior to the Expiry Date.
- 3.4.3. Payment by the Guarantor shall be made within 7 calendar days after receipt of the documents.
- 3.4.4. Failure to submit the documents within the 60-calendar-day period will result in the demand being null and void.
- 3.5. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.1 or 2.1.
- 3.6. Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 3.7. Payment by the Guarantor in terms of 3.2 or 3.3 shall be made within 7 calendar days upon receipt of the first written demand to the Guarantor.
- 3.8. Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 3.9. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may consider fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 3.10. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 3.11. This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 1.1.2 or 2.2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 3.12. This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 3.13. Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

C1.5 Advance Payment Guarantee

ADVANCE PAYMENT GUARANTEE

For use with the General Conditions of Contract for Construction Works, Fourth Edition (2025).

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

Physical address:

"Employer" means:

"Contractor" means:

"Employer's Agent" means:

"Works" means:

"Site" means:

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of R Amount
in words: "Guaranteed

Advance Payment Sum" means: The amount of R

Amount in words:

"Expiry Date" means (Give date) or a v other later date set by the Contractor and/or
Employer provided such instruction is received prior to the Expiry Date as indicated here.

CONTRACT DETAILS

Employer's Agent issues: Interim Payment Certificates.

ADVANCE PAYMENT GUARANTEE

1. The Guarantor's liability shall be limited to the outstanding diminishing amounts of the Guaranteed Advance Payment Sum as follows:
 - 1.1 The Guaranteed Advance Payment Sum on receipt thereof by the Contractor.
 - 1.2 The full outstanding balance after the deduction of each repayment made in terms of the interim payment certificate.
 - 1.3 After the deduction of the last repayment or settlement of the full outstanding balance, this Advance Payment Guarantee shall expire and be returned to the Guarantor.

CONDITIONS APPLICABLE TO ADVANCE PAYMENT GUARANTEE

2. The Guarantor hereby acknowledges that:
 - 2.1 Any reference in this Advance Payment Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.
 - 2.2 Its obligation under this Advance Payment Guarantee is restricted to the payment of money.

3. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.1 to 3.3:
 - 3.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2;
 - 3.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 3.1 and the sum certified has still not been paid;
 - 3.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.
4. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Advance Payment Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Advance Payment Guarantee, such demand stating that:
 - 4.1 the Contract has been terminated due to the Contractor's default and that this Advance Payment Guarantee is called up in terms of 4; or
 - 4.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Advance Payment Guarantee is called up in terms of 4; and
 - 4.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
5. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3 and 4 shall not exceed the Guarantor's maximum liability in terms of 1.
6. Payment by the Guarantor in terms of 3 or 4 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
7. Payment by the Guarantor in terms of 3 and 4 shall only be made against the return of the original Guarantee by the Employer.
8. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may consider fit and the Guarantor shall not have the right to claim his release from this Advance Payment Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
9. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
10. This Advance Payment Guarantee is neither negotiable nor transferable and shall expire in terms of 1.3, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
11. This Advance Payment Guarantee, with the required demand notices in terms of 7 or 8, shall be regarded as a liquid document for the purposes of obtaining a court order.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2).....

Capacity.....

Witness signatory (1).....

Witness signatory (2).....

Part C2: Pricing Data

C2.1 Pricing Assumptions / Instructions

PREAMBLE TO THE BILL OF QUANTITIES

C2.1.1 The General Conditions of Contract, the Contract Data, the Scope of Work, the Standardized Specifications and the Drawings are to be read in conjunction with the Bill of Quantities.

C2.1.2 For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit: The unit of measurement for each item of work as defined in the standard Specifications of the Scope of Work.

Quantity: The number of units of work for each item.

Rate: The payment per unit of work at which the Tenderer tenders to do the work.

Amount: The product of the quantity and the rate tendered for an item.

Lump sum: An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Scope of Work or elsewhere but of which the quantity of work is not measured in units.

C2.1.3 The method of measurement published by the South African Bureau of Standards in Clause 8 of the Standardised Specifications for Civil Engineering Construction is applicable, subject to the variations and amendments contained in the section "Applicable SABS 1200 standardised specifications".

Work executed will be measured for payment in accordance with the methods described in the Contract documents under the various payment items, notwithstanding any custom of the contrary. Attention is directed to the provisions of the Standard Specifications regarding the mass of the finished work in place that will be taken for payment, excluding any volume or mass of work in excess of that ordered.

C2.1.4 Descriptions in the Schedule/Bill of Quantities are abbreviated and comply generally with those in Clause 8 of each Standardised Specifications. Reference shall inter alia be made to the drawings, standard specifications, Scope of Work, General Conditions of Contract and Contract Data for more detailed information regarding the extent of the work entailed under each item.

Should any requirements of the measurement and payment clause of the applicable Standardised Specification, or the Scope of Work, conflict with the terms of the Schedule/Bill, the requirements of the Standardised or Scope of Work, as applicable, shall prevail.

C2.1.5 A payment reference column is provided in the BOQ to assist the Tenderer when pricing this tender. Certain items may not have a payment reference and the onus is on the tenderer to refer to the relevant specifications as stated above to ensure that the item is priced correctly. If in doubt the tenderer shall preferably seek clarification or else qualify any assumptions made.

C2.1.6 The clauses in a specification in which further information regarding the schedule/bill item can be obtained appear under "Reference clause" in the Schedule. The reference clauses indicated are not necessarily the only sources of information in respect of schedule items. Further information and set specifications may be found elsewhere in the contract documents. Standardised Specifications are identified by the letter or letters which follow SABS in the SABS 1200 series of specifications, e.g., G for SABS 1200 G.

C2.1.7 Unless otherwise stated, items are measured nett in accordance with the drawings, and no allowance is made for waste. The Schedule has to be completed in black non-erasable ink and the tenderer is referred to the Tender Specifications in regard to the correction of errors.

C2.1.8 The quantities set out in the Schedule/Bill of Quantities are the estimated quantities of the Contract Works, but the Contractor will be required to undertake whatever quantities may be directed by the Employer's Agent from time to time. The Contract Price for the completed contract shall be computed from the actual quantities of work done, valued at the relevant unit rates and prices.

The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment. Work will be valued at the rates or lump sums tendered, subject only to provisions of the Conditions of Contract, of the Standard Specifications and of the Scope of Work.

C2.1.9 The prices and rates to be inserted in the Schedule/Bill of Quantities are to be the full inclusive prices for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.

C2.1.10 Tenderers are required to allow in their tendered prices for the supply and use of tools, the provision, operation and maintenance of all the Contractor's Equipment, the provision of secure storage facilities for materials supplied by others, the supply of key personnel, the supervision of all labour and workmanship and everything and every service necessary for the construction, completion and maintenance of the Works in the manner required by the Contract and to the entire satisfaction of the Engineer

C2.1.11 A price or rate is to be entered against each item in the Schedule/Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered or where a word or phrase such as "included" or "provided elsewhere" will be accepted as a rate of nil (R0,00) having been entered against such items and covered by the other prices or rates in the Schedule.

If the Tenderer should group a number of items together and tender one lump sum for such group of items, this single tendered lump sum shall apply to that group of items and not to each individual item. Or, should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed nil.

Any work executed to which such a pay item applies, shall be measured under the appropriate items in the Bill of Quantities and valued at a rate of nil (R0,00). The rate of nil shall be valid irrespective of any change in the quantities during the execution of the Contract.

The tendered lump sums and rates shall be valid irrespective of any change in the quantities during execution of the Contract.

C2.1.12 For provisional sums and prime cost sums refer to clause 6.6 of the Conditions of Contract.

C2.1.13 Except where rates only are required, the Tenderer shall insert all amounts to be included in his total tendered price in the "Amount" column and show the corresponding total tendered price.

C2.1.14 All prices or rates inserted in the Bill of Quantities shall be EXCLUDING VAT. Provision has been made on the Summary Page, of the Bill of Quantities, for the addition of VAT.

C2.1.15 Arithmetical errors of responsive tenders will be corrected as stated in the Tender Data.

C2.1.16 Should a tenderer be unwilling to make the corrections ordered by the Employer's Agent, the tender may be disqualified.

C2.1.17 The quantities set out in the Bill of Quantities are the estimated quantities of the Works, but the Contractor will be required to undertake whatever quantities as may be directed by the Employer's Agent from time to time. The Contract Price for the completed contract shall be computed from the actual quantities of work done, valued at the relevant unit rates and prices.

C2.1.18 The quantities of materials or the amount of work listed in the Schedule of Quantities shall not be regarded as authorisation for the Contractor to order materials or to execute work. The Contractor shall obtain the Engineer's detailed instructions for all work before ordering any materials or executing work or making arrangements in this regard.

C2.1.19 The Bills of Quantities must be completed by the insertion of rates / prices in accordance with the instructions described in the items above. As this contract is a re-measurable contract and not a lump sum contract, a blank Bill of Quantities with only a lump sum amount will not be accepted.

C2.1.20 Any entry made by the Tenderer in the Price Schedule, forms, etc., which the tenderer desires to change, shall not be erased or painted out. A line shall be drawn through the incorrect entry and the correct entry shall be written above in black ink and the full signature of the Tenderer shall be placed next to the correction.

C2.1.21 The Tenderer shall ascertain the nature of the access to the Site, the quality and nature of the soil conditions as well as existing materials on site and all other matters such as relevant local ordinances etc. which might influence the completion of the Works.

C2.1.22 The Tenderer shall allow for all obvious items which have not necessarily been specified but which can reasonably be inferred as necessary in order to carry out the Works as specified.

C2.1.23 Tenderers are to refer to the Scope of Works and in particular the Specification Data when pricing the Bills of Quantities. Certain clauses in the Standard Specifications and the Particular Specifications have been omitted, amended, or added to and these changes must be taken into account when pricing the tender.

C2.1.24 Should the Tenderer wish to offer alternative equipment to that which is specified, please include the full specifications / pump curves / manufacturer details of the alternative equipment being offered.

C2.1.25 As it is not always practical or possible to cross reference every change to the Specifications, the onus rests on the tenderer to ensure that he is aware of the changes and to structure his rates accordingly.

C2.2.26 It is deemed that all costs incurred by the Contractor to ensure conformity with the Environmental Management Specifications, is made in the priced items of the measured Bill following the Preliminary and General Bill and that any increases and decreases in the measured quantities will correspondingly adjust for these charges.

C2.1.27 It is deemed that all costs incurred by the Contractor to ensure conformity with the OHS Act, Health and Safety Specifications, is made in the priced items of the measured Bill following the Preliminary and General Bill and that any increases and decreases in the measured quantities will correspondingly adjust for these charges.

C2.1.28 An amount for contingencies has been entered in the Schedule of Quantities which will be used in whole or in part for additional work that may be deemed necessary and only as shall be directed in writing by the Engineer. This amount shall be deducted in part or in whole from the final Contract Value if not required

C2.1.29 The units of measurement described in the Schedule/Bill of Quantities are metric units.

Abbreviations used in the Schedule/Bill of Quantities are as follows:

mm	millimetre	H	hour
m	metre	kg	kilogram
km	kilometre	t	ton (1 000 kg)
m ²	square metre	No.	number
m ² .pass	square metre-pass	sum	lump sum
ha	hectare	MN	MegaNewton
m ³	cubic metre	MN.m	MegaNewton-metre
m ³ .km	cubic metre-kilometre	P C sum	Prime Cost sum
ℓ	litre	Prov sum	Provisional sum
kℓ	kilolitre	%	per cent
MPa	MegaPascal	kW	kilowatt

C2.1.30 Rates for materials are to include for delivery and offloading at the Contractor's main site store, or if material can be delivered directly to the point of operations, for the delivery and unloading at that point.

C2.2 Bills of Quantities

KLAARSTROOM GROUNDWATER SOURCE DEVELOPMENT					
SECTION 1 - BOREHOLE DRILLING					
BOREHOLE SITE ESTABLISHMENT, MOVES AND DE-ESTABLISHMENT					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	ESTABLISHMENT AND PLANT SET-UP				
1.1	Establishment of facilities on site, including GPS positioning, suitable accommodation for the drilling personnel, dedicated washing and ablution facilities, a dedicated area for food preparation, demarcation and safety barriers, and all required personal protective equipment (PPE), including overalls bearing the contractor's name and/or logo.	Sum	1		
1.2	Mobilisation to and set-up of plant at first	Sum	1		
1.3	Mobilisation to and set-up of plant after first borehole	Sum	5		
2	INTER-HOLE MOVES				
2.1	For distance up to 20 km	No.	6		
2.2	For a distance exceeding 20km	km	10		
3	DE-ESTABLISHMENT				
3.1	De-establishment from drilling site	Sum	1		
4	DRILLING (with foam)				
4.1	350 mm diameter Percussion rotary Air Drilling	m	Rate Only		
4.2	304 mm diameter Percussion rotary Air Drilling	m	24		
4.3	254 mm diameter Percussion Rotary Air Drilling	m	544		
4.4	230 mm diameter Percussion Rotary Air Drilling	m	420		
4.5	203 mm diameter Percussion Rotary Air Drilling	m	50		
4.6	190 mm diameter Percussion Rotary Air Drilling	m	450		
4.7	165 mm diameter Percussion Rotary Air Drilling	m	130		
5	CASING (Supply, delivery and installation)				
5.1	272/264 mm Solid Steel Casing (min wall thickness 4mm)	m	30		
5.2	249/240 mm Solid Steel Casing (min wall thickness 4mm)	m	60		
5.3	219/211 mm Solid Steel Casing (min wall thickness 4mm)	m	Rate Only		
5.4	177/169 mm Solid Steel Casing (min wall thickness 4mm)	m	Rate Only		
5.5	200/180mm Solid uPVC Casing (min wall thickness 10mm)	m	240		
5.6	200/180mm Perforated uPVC Casing (min wall thickness 10mm)	m	240		
6	RECOVERY OF STEEL CASING				
6.1	Recovery Steel Casing at Dry Borehole (m)	m	Rate Only		
7	FORMATION STABILIZER & BOREHOLE DEVELOPMENT				
7.1	Formation Stabilizer (Supply, deliver and installed of a (4 to 7)mm subrounded gravel pack)	kg	9000		
7.2	Development & blow yield per hole	Hours	24		
8	CONCRETE COLLAR/PLINTH				
8.1	Concrete Collar/Plinth (Complete per Borehole)	No	4		
9	SANITARY SEAL (Complete per Borehole)				
9.1	Type 1 (305mm Hole & 203mm ID Casing)	No	4		
10	BOREHOLE DISINFECTION				
10.1	Borehole Disinfection (Complete per Borehole)	No	4		
11	BOREHOLE PROTECTION				
11.1	Borehole Protection / Steel Cover (Complete per Borehole)	No	4		
12	BOREHOLE MARKING & FINISHING				
12.1	Borehole Marking / Number (Complete per Borehole)	No	5		
13	Site Finishing (Complete per Borehole)	No	7		
14	Data Recording & Reporting (Complete per Borehole)	No	7		
15	Grouting of borehole up to 50m	No	3		
Total Carried Forward to Summary					

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

KLAARSTROOM GROUNDWATER DEVELOPMENT SECTION 2 - BOREHOLE TESTING OF NEW BOREHOLES					
ITEM	DESCRIPTION	QTY	UNIT	RATE (ZAR)	AMOUNT (ZAR)
1-0	ESTABLISHMENT, PLANT SET-UP, INTERHOLE MOVES AND DE-ESTABLISHMENT				
1-1	Establishment of Own Facilities on Site				
1-1-1	Living quarters, offices, workshops, etc.	1	Sum		
1-1-2	Ablution and latrine facilities				
1-1-3	Water supply, electricity, communications				
1-2	Mobilisation and set-up of plant to / at first borehole	1	Sum		
1-3	Set-up of plant per borehole (after first)	2	no		
1-4	Interhole Moves				
1-4-1	For distances up to 10 km	2	no		
1-4-2	For distances exceeding 10 km		km		
1-5	De-establishment from site	1	Sum		
2-0	TEST PUMPING				
2-1	Installation of Test Pump (depth up to 60m)				
2-1-1	For yield up to 10 l/s	3	no		
2-1-2	For yield greater than 10 l/s	Rate only	no		
2-2	Installation of Test Pump (per meter over 50m)				
2-2-1	For yield up to 10 l/s (Est. installation of 120 m / borehole)	180	m		
2-2-2	For yield greater than 10 l/s	Rate only	m		
2-3	Laying out of Discharge Hose				
2-3-1	Minimum of 50 m	3	no		
2-3-2	50 m to 100 m (extra-over 50 m) (Additional 50 m / borehole)	150	m		
2-4	Calibration Test	3	Hr		
	Step Test				
2-5.1	For yields up to 10l/s	12	Hr		
2-5.2	For yields >10l/s < 25l/s	Rate only	Hr		
2-6	Constant Discharge Test				
2-6-1	For yield up to 10 l/s	144	Hr		
2-6-2	For yield greater than 10 l/s	Rate only	Hr		
2-7	Recovery Monitoring	150	Hr		
2-8	Borehole Disinfection (complete per borehole)	3	no		
2-9	Borehole Protection (complete per borehole)	Rate only	no		
2-10	Borehole Marking	Rate only	no		
2-11	Site Finishing (complete per borehole)	3	no		
3-0	DATA RECORDING AND REPORTING (complete per borehole)	3	no		
3-1	Water level monitoring per observation borehole	Rate only			
4-0	CHEMICAL ANALYSIS OF WATER SAMPLE - Laboratory Full Sans 241	3	no		
4-1	Delivery of samples at laboratory	3	no		
Total Carried Forward to Summary					

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

KLAARSTROOM GROUNDWATER SOURCE DEVELOPMENT					
SECTION 3 - BOREHOLE REHABILITATION					
BOREHOLE SITE ESTABLISHMENT, MOVES AND DE-ESTABLISHMENT					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	ESTABLISHMENT AND PLANT SET-UP				
1.1	Establishment of facilities on site, including GPS positioning, suitable accommodation for the drilling personnel, dedicated washing and ablution facilities, a dedicated area for food preparation, demarcation and safety barriers, and all required personal protective equipment (PPE), including overalls bearing the contractor's name and/or logo.	Sum	1		
1.2	Initial mobilisation and establishment of drilling plant at the first borehole	Sum	1		
2	INTER-HOLE MOVES				
2.1	Movement of drilling plant between boreholes after first BH, for distances up to 20 km	Rate	2		
2.2	Additional distance exceeding 20 km, measured per kilometre	km	10		
3	DE-ESTABLISHMENT				
3.1	De-establishment from drilling site	Sum	1		
4	BOREHOLE REHABILITATION				
4.1	Pre-cleaning of existing boreholes by airlifting and mechanical cleaning to remove loose debris, sediment, drilling mud and other accumulated material from the borehole.	m	3		
4.2	Pre-treatment settling/flocculation	No	3		
4.3	Standing time of 6 hours to allow the coagulant/flocculant to react and suspended material to settle.	No	3		
4.4	Borehole camera inspection to a maximum depth of 300 m, including digital video recording of the inspection and submission of the recording to the Employer/Consultant.	No	3		
5	Pump test (Before)				
5.1	Installation and removal of pump up to 120m	No	3		
5.2	- Calibration Test	hr	3		
5.3	- Step Test	hr	12		
5.4	- Recovery	hr	6		
6	Borehole treatment - Chemical treatment & Mechanical cleaning (brushing)				
6.1	Introduction of sulphamic acid into the borehole, including all labour, mixing/application equipment, downhole equipment and ancillary equipment required for the safe application of the treatment.	Per bh	3		
6.2	Supply of sulphamic acid suitable for borehole rehabilitation, measured per kilogram.	Per kg	200		
6.3	Supply of soda ash for neutralisation of treated borehole water, measured per kilogram.	Per kg	60		
6.4	Mechanical brushing of the borehole casing and screened intervals to remove mineral scaling and precipitation, including deposits associated with iron, calcium and magnesium.	hr	9		
6.5	Installation and removal of a dual-pipe airlift system for borehole cleaning, discharge and development, including all required pipes, fittings, compressor connections and ancillary equipment.	Per bh	3		
6.6	Airlifting and discharge of treated borehole water for the removal of chemicals, sediment, debris and other contaminants, including operation of the airlift system and compressor.	Per bh	3		
6.8	Supply of a water tanker for the collection, transport and safe disposal of potentially contaminated wastewater generated during borehole chemical treatment, flushing and development. Wastewater shall be transported to the Klaarstroom Wastewater Treatment Plant, or another facility approved by the Employer, approximately 5 km outside Klaarstroom. The rate shall include loading, transport, disposal and all associated costs.	Per bh	3		
6.7	Development of the borehole through airlifting to ensure that all chemicals and debris are removed, and that pH levels are balanced and stabilised.	hr	9		
6.9	Post-treatment flocculation/settling prior to final cleaning and inspection.	No	3		
6.1	Post-treatment borehole camera inspection to a maximum depth of 300 m, including digital recording and submission of the inspection video and observations/recommendations to the Employer/Consultant.	No	3		
7	Pump test (After)				
7.1	Installation and removal of pump up to 120m	No	3		
7.2	- Step-drawdown test comprising five steps of 60 minutes each, using step yields determined from the pre-treatment test unless otherwise instructed by the Consultant.	hr	12		
7.3	- Constant test	hr	72		
7.4	- Recovery test	hr	72		
3-0	DATA RECORDING AND REPORTING (complete per borehole)	No	3		
4-0	Laboratory chemical and microbiological analysis of water samples in accordance with the applicable SANS 241 requirement	No	3		
4-1	Delivery of samples at laboratory	No	3		
Total Carried Forward to Summary					

<u>SUMMARY OF BILLS OF QUANTITIES</u>			
STN	REF	SCHEDULE	AMOUNT
1.0		SECTION 1 BOREHOLE DRILLING	
2.0		SECTION 2 BOREHOLE TESTING	
3.0		SECTION 3 BOREHOLE REHABILITATION	
4.0		TOTAL OF SCHEDULED WORK	
5.0		ADD: 5% CONTINGENCIES	
6.0		SUBTOTAL A	
7.0		ADD: 15% VAT	
8.0		TOTAL TO FORM OF OFFER	

DECLARATION

I/we, the undersigned, do hereby declare that these are the properly priced Bills of Quantities forming part C2.2 of this Contract Document upon which my/our tender for **TENDER NO. 111/2026: KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)** has been based.

Signed.....

Date.....

Name.....

Position.....

Tenderer

Part C3: Scope of Work

C3.1 Description of the Works

Clause	Topic	Details
C3.1.1	Employer's objectives	The Employer's objectives include the following: (i) To provide new and maintain existing engineering services infrastructure of an acceptable quality for the benefit of all its inhabitants in the most cost-effective and cost-efficient manner possible; (ii) To deliver public services infrastructure using labour intensive construction methods in accordance with EPWP Guidelines wherever technically feasible and economically viable; (iii) To alleviate poverty through the provision of employment opportunities to the unemployed; (iv) To assist with the socio-economic development of targeted groups; (v) To comply with the requirements of statutory, legislative and regulatory frameworks governing local government infrastructure provision; (vi) To comply with all funding conditions (own and grants).
C3.1.2	Overview of the works	Four target areas have been identified. The Bill of Quantities makes provision for the drilling of three (3) boreholes, with the aim of developing three (3) production boreholes. & And the rehabilitation of three (3) existing boreholes (Mechanical and chemical treatment) Table 1 provides a brief synopsis of the drilling targets below. Priorities and targets may change based on drilling results as the project progresses. The Klaarstroom drilling sites and boreholes identified for rehabilitation are located within the municipal boundary of the town. Should the project be successful, three (3) boreholes will be newly developed installations, while three (3) existing boreholes will be re-equipped, including the installation of new pump equipment. The design and implementation of associated development infrastructure for the new boreholes will be informed by the recommended sustainable yields, water quality results, and the proximity to existing power supply and water pipeline infrastructure. It is noted that the supply and installation of permanent equipment and bulk infrastructure do not form part of the current phase of the project and will be addressed under a separate implementation phase. .
C3.1.3	Extent of the works	PART 1: Drilling of the boreholes All boreholes to be drilled will be new installations, with the objective of developing high-yielding fracture zones at depth. A drilling depth of 300 m is recommended; however, the final depth may be shallower, depending on drilling results.

		PART 2: Sustainable Yield Testing of boreholes. All saucerful newly drilled boreholes will be subjected to sustainable yield tests consisting of step tests, 48-hour constant discharge test, and associated recovery, under the guidance of the Employers Representative. PART 3: Water Quality The testing contractor shall take water samples 10 minutes before the end of each 48-hour constant yield test. These samples must be submitted to an accredited water laboratory for water quality analysis. The results must be submitted to the appointed geohydrologist overseeing the project for reporting and recommendations. PART 4: Existing Borehole Rehabilitation (Mechanical and Chemical) The borehole rehabilitation works will include, but not be limited to, cleaning of boreholes to their recorded or accessible depth, borehole camera inspections, pre- and post-rehabilitation pump testing, chemical treatment to address bacteriological growth, mineral scaling and clogging, mechanical cleaning of borehole casing/screens and water-bearing zones, and comprehensive water quality analysis. The rehabilitation methodology shall be appropriate to the construction, condition and identified cause of deterioration of each borehole. The final rehabilitation method and proposed chemical treatment shall therefore be based on the available borehole information, camera inspection findings and pre-rehabilitation assessment, and shall be approved by the Employer's Representative prior to implementation. PART 5: Contractor Methodology and Technical Capability The Tenderer's understanding of the scope of work and proposed methodology for undertaking the required works will form a key component of the technical tender evaluation and appointment of the Contractor. Particular emphasis will be placed on the Tenderer's proposed methodology and demonstrated experience in the mechanical and chemical rehabilitation of groundwater boreholes. The methodology shall demonstrate an understanding of the possible causes of borehole deterioration, including bacteriological fouling, mineral scaling, sediment accumulation, casing/screen blockage and clogging of water-bearing fractures. The Tenderer shall provide sufficient information on the proposed mechanical cleaning methods, rehabilitation equipment, chemical products and treatment methods, chemical dosing and contact periods, flushing and disposal procedures, and measures to prevent damage to the borehole construction and aquifer The Scope of Work provided above is not necessarily complete and further details are provided in the Bill of Quantities and Drawings.
C3.1.4	Location of the works and access	The site of the works is located in the town of Klaarstroom (off N12) 62 km South East of the town of Prince Albert in the Prince Albert Local Municipality. The specific drill sites prove to be accessible, the onerous remains on the contractor to make a genuine attempt to reach the site in the presence of the Employer's representative A Locality plan is included under <i>Part C4: Site Information</i>.

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

C3.2 Engineering (Not Applicable)

C3.3 Procurement

Clause	Topic	Details
C3.3.1	Preferential procurement procedures	The procurement of goods and services should cater for the engagement of local SMME sub-contractors, local suppliers and manufacturers, where relevant and practical. This will provide opportunities for local economic development of smaller businesses to increase their share in public sector procurement.
C3.3.2	Subcontractors (non-targeted)	The Contractor shall not subcontract more than 25% of the value of the contract to subcontractors that do not have an equal or higher B-BBEE status level than the Contractor, unless such subcontractors are exempted micro enterprises that can demonstrate to the satisfaction of the Employer's Agent that they have the capability and ability to execute the subcontracted works. Where monetary allowances for provisional sums or prime cost items have been provided in the Bills of Quantities, and where the work is to be executed/supplied by subcontractors/suppliers, then the following selection process shall be followed in respect of the required subcontractors/suppliers: • The Contractor shall invite three quotations from suitably qualified sub-contractors/suppliers, the selection of which shall be in consultation with, and to the approval of the Employer's Agent, for the required work or items. • The evaluation of the quotations received must include a preference points system as described in the Tender Data
C3.3.3	Attendance on subcontractors	Approval given in terms of subcontracting shall not relieve the Contractor of any responsibility, duty or obligation imposed upon him by the Contract, and the Contractor shall in particular be and remain solely liable and responsible for all acts, omissions, negligence or breaches of contract on the part of the assignee or any of his employees, and for all acts, omissions or negligence of any subcontractor or any of his employees.
C3.3.4	Local Labour	It is the intention that this contract should make the maximum possible use of the local labour force which is at present underemployed. To this end it will be expected of the Contractor to limit the use of non-local employees to key personnel only and to employ and train local labour on this contract. A minimum of 100% of the unskilled labour force must be procured from the local community in which the project is undertaken.

C3.4 Construction

Clause	Topic	Details						
C3.4.1	Standardised Specifications	The following relevant standardised specifications, as listed below, shall form the Standard Specifications and apply to this contract: • South African Bureau of Standards (SABS) 1200. Standardized specification for civil engineering construction; • South African National Standard 1921-1 General Engineering and construction works; • South African National Standard 1921-3 Steelworks;						
C3.4.2	Particular Specifications	The following particular specifications shall apply to this contract and are Annexures to the Scope of Works: <table><tr><th>Specification</th><th>Description</th></tr><tr><td>PC</td><td>CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING</td></tr><tr><td>PD</td><td>MEASUREMENT & PAYMENT</td></tr></table>	Specification	Description	PC	CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING	PD	MEASUREMENT & PAYMENT
Specification	Description							
PC	CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING							
PD	MEASUREMENT & PAYMENT							
C3.4.3	Variations and Additions to the Standard and the Particular Specifications	Variations and additions to the Standard Specifications are listed in the Annexures to the Scope of Works as Works/Project Specifications.						
C3.4.4	Known services	Existing services are indicated on the drawings or wayleaves issued by service authorities. The Contractor shall acquaint himself with all existing services. Under no circumstances shall the Contractor alter or in any way interfere with the existing works or underground services unless authorised by the Employer's Agent.						
C3.4.5	Damage to services	The Contractor shall be responsible for any damage to such existing services and works in the execution of this contract and shall reimburse the Employer, authority or the owner concerned for any repairs required and for damages. Damage that occurs to unknown services during construction will be paid for by the Employer.						
C3.4.6	Reinstatement of services and structures damaged during construction	The Contractor shall inform the Employer's Agent immediately when a service or structure is damaged. The extent of the damage and a proposal on how to reinstate the service or structure shall be submitted to the Employer's Agent on a sketch with dimensions and time frames.						
C3.4.7	Services and facilities provided by the employer	The Contractor may make his own arrangements with the Municipality for hiring of the Honeysucker and other plant as and when needed, which will be either for the account of the Contractor or the costs offset by the Municipality						
C3.4.7.1	Water and Electricity Supply	The Contractor shall make his own arrangements with the Municipality for the necessary connections and additional reticulation, the cost, if any, of which will be for the Contractors account. Water and electricity shall be used sparingly.						
C3.4.8	Facilities provided by the Contractor	The Contractor shall provide, maintain and remove his own facilities to the satisfaction of the Employer's Agent. The Contractor shall provide the area around his office, stores and sheds (i.e. the "Camp") with adequate security						

Clause	Topic	Details
		fences and security personnel to ensure that unauthorised persons do not enter the camp area.
C3.4.8.1	Location of Contractors Camp Site	The Contractor may locate his site offices on suitable/ assigned Municipal property or an alternative site selected by the Contractor subject to written approval of the Employer.
C3.4.8.2	Housing	No housing is available nor shall be allowed on site for the Contractor's employees. It is the Contractor's responsibility to find suitable accommodation for his employees and transport them to and from the site.
C3.4.9	Facilities for the Employer's Agent	
C3.4.9.1	Site instruction book and Site diary	The Contractor shall keep an A4 triplicate book for site instructions on the Site at all times and provide a Site Diary for daily completion by the Contractor.
C3.4.10	Laboratory Facilities	The Contractor shall provide and allow for his own facilities, apparatus and procedures for the testing of materials and the process control testing of materials and workmanship in order to ensure compliance with the requirements of the Specifications. The Employer's Agent shall only carry out control tests using an approved independent laboratory.
C3.4.11	Other facilities and services	
C3.4.11.1	Waste Disposal	The Contractor shall make his own arrangements for solid and liquid waste disposal. Disposal will take place at an approved Site.
C3.4.11.2	Telephone Facilities	The Contractor shall be responsible for arranging his own telephone facilities and shall be responsible for all costs relating thereto.
C3.4.11.3	Ablution Facilities	Ablution facilities are NOT available on site. The Contractor shall provide adequate chemical toilet facilities for the use of the various workmen in accordance with the Regulations of the Department of Public Health and/or other authority and pay all charges in connection therewith; maintain same in a thoroughly clean and orderly condition; allow for moving the chemical toilets to new locations as necessary during the course of the Contract and finally remove such chemical toilets at completion and make good.
C3.4.12	Notice boards, signs and barricades	All notices, signs and barricades may be used only if approved by the Employer's Agent. The Contractor shall be responsible for their supply, erection, maintenance and ultimate removal and shall make provision for this in his tendered rates.
C3.4.13	Dealing with Water	While generally high water tables are not anticipated, ground water may well be encountered in trench, foundation and general excavations. The Contractor shall make provision and allow for all dewatering and keeping dry such excavations. If not specifically scheduled, all costs for this operation for the duration of the contract shall be deemed to be included in the General charges of the Contractor.
C3.4.14	Alterations, additions, extensions and modifications to existing works	The Contractor shall prior to commencement of construction works in any particular area satisfy himself that the dimensional accuracy, alignment, levels and setting out of existing structures or components thereof are compatible with

Clause	Topic	Details
		the proposed works and shall notify the Employer's Agent of any areas of dissatisfaction.
C3.4.15	Wayleaves, Permissions and Permits	The Contractor shall be responsible for obtaining all of the necessary wayleaves, permissions or permits applicable to working near any existing services or other infrastructure on Site from the relevant service authorities.

C3.5 Management

Clause	Topic	Details				
C3.5.1	Standardised management specifications for construction works	The following relevant standardised specifications, as listed below, shall form the Standard Specifications and apply to this contract:				
		<table><tr><th>Standard</th><th>Description</th></tr><tr><td>SABS 1200 AA</td><td>General (Small Works) (1986)</td></tr></table>	Standard	Description	SABS 1200 AA	General (Small Works) (1986)
		Standard	Description			
SABS 1200 AA	General (Small Works) (1986)					
Variations and additions to the SABS 1200 standardised specifications are listed in the Works/Project Specifications.						
C3.5.2	Particular specifications	The following particular specifications shall apply to this contract and are Annexures to the Scope of Works:				
		<table><tr><th>Specification</th><th>Description</th></tr><tr><td>PHS</td><td>Pre-construction Health and Safety Specification</td></tr></table>	Specification	Description	PHS	Pre-construction Health and Safety Specification
Specification	Description					
PHS	Pre-construction Health and Safety Specification					
C3.5.3	Construction Programme and Methods	The programme to be submitted by the Contractor in terms of the General Conditions of Contract shall be in the form of a bar chart with a horizontal time scale ideally be drawn up using a commercially available software. The programme shall clearly show all significant activities, the duration of all activities, the interdependencies (if any) of activities and the critical path of the overall programme. There must be a link to the items or groups of items in the Bill of Quantities indicating the value and quantity of work that will be completed each month.				
C3.5.4	Sequence of the works	The Contractor shall include the sequence of works, clearly identifying floats and critical path activities, in the programme.				
C3.5.5	Methods and procedures	The Contractor shall advise the methods and procedures that he proposes in performing the works, when requested to do so by the Employer's Agent. The Contractor is also allowed to change his methods and procedures as he sees fit subject to the change being approved by the Employer's Agent.				
C3.5.6	Quality plans and control	The Contractor shall furnish the Employer's Agent upon request with a Quality Assurance and Control plan that incorporates all of the requirements of this specification within the period stated in the Contract Data.				
C3.5.7	Site usage	Access to the site will be in a controlled manner. People visiting the site will have to sign in and out on an attendance register.				
C3.5.8	Testing, completion, commissioning and correction of defects	Workmanship, tolerances and frequency of testing are to be in accordance with relevant specifications. The Employer may appoint independent testing laboratories to monitor the results returned by the Contractor for the Quality of materials and work performed. The Contractor shall conduct his own testing as work proceeds to ensure that the necessary requirements and specifications are being complied with.				
C3.5.9	Recording of weather	The Contractor shall be responsible for keeping accurate records of weather conditions in the Site Diary, to use as substantiation of any claim for extension of time in accordance with the contract. The Contractor shall inform the Employer's				

Clause	Topic	Details
		Agent when he is unable to proceed with the works in accordance with the approved programme.
C3.5.10	Format of communications	No press statements are allowed without the prior written approval of the Employer. Contractual communication will flow between the Contractor and Employer's Agent as normally required. Normal routine matters should as far as possible be resolved on site between the Contractor's Agent and Employer's Agent's Representative. All instructions to the Contractor will be in writing and shall be deemed to have been received if left with the Construction Manager on site. The format of the letters, invoices etc., will be determined and agreed at the first site meeting.
C3.5.11	Key personnel	The Contractor is deemed to have, in making his offer, all key personnel available to perform the works entirely in the contracted time and cost. The Employer's Agent and his duly appointed Representative will be the key contacts on site.
C3.5.12	Management meetings	In order to facilitate the smooth functioning of the Works and to ensure the closest co-operation between all the parties concerned, the Employers Agent will call for regular meetings to be held on the site or virtually, at which a senior member of the Contracting firm and the General Foreman of the Works will always be required to be present. In addition to the above, other persons will be required to attend these meetings as and when their presence is necessary, e.g., Consultants in all disciplines, representatives of the various Sub-Contractors, etc. Proper minutes of these meetings will be kept by the Employers Agent and copies will be circulated to all persons attending the meetings and to others who need to be kept informed. .
C3.5.13	Forms for contract administration	The Contractor under this Contract is considered to be an expert in ground-water borehole construction and is expected to organize and carry out the work specified hereunder in a competent manner. Drilling problems encountered will be overcome entirely within the framework of this Specification and Schedule of Rates, and no claims for extra payments will be entertained for problems foreshadowed in the Specification or due to limitations placed by this Specification. a) The Specifications are for the drilling, and sustainable yield testing of new boreholes. For this the Contractor shall provide all labour, transport, plant, tools, equipment and materials and appurtenances, and shall perform all Works necessary to satisfactorily pump test, sample, deliver, and analyze water quality (chemical and biological) in accordance with the SANS 241 specification and to any further details as may be ordered by the Client. b) The Contractor shall employ only competent workmen for the execution of the Works, and all such Works shall be performed under direct supervision of an expert borehole driller/site supervisor. The Contract will be managed by, but is not limited to, site instructions, letters, emails, site correspondence, minutes of

Clause	Topic	Details
		meetings and functionality forms signed by the Employer's Agent or his duly appointed representative. The Employers Agent shall provide all necessary forms and/or monitor sheets where required
C3.5.14	Electronic payments	The Contractor shall provide his banking details to enable electronic payments to be made.
C3.5.15	Daily records	The Contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site. The site diary shall be presented DAILY to the Employers Agent's Representative for his confirmation and signature
C3.5.16	Reporting	The Contractor shall submit a monthly progress report to the Employer's Agent at least three days before each monthly site meeting and the report shall provide the following details: a) A summary of progress on site over the month preceding the site meeting compared to the approved programme. b) Those activities which are running late in terms of the approved programme and the Contractor's proposed actions to redress the situation. c) All plant, labour and materials utilised
C3.5.17	Payment certificates	The monthly payment certificate to be submitted by the Contractor in terms of the contract shall be prepared by the Contractor at his own cost, strictly in accordance with the standard payment certificate prescribed by the Employer's Agent, in digital electronic computer format. The Contractor shall, together with a copy of the digital electronic computer file of the statement, submit two (2) A4 size paper copies of the statement.
C3.5.18	As Built Data	The Contractor will be given a complete set of prints of the drawings upon which he shall, as the work progresses, record all amendments to and deviations from the drawings as issued to him at the start of the contract and the actual positions and levels of all the works shall be accurately determined and recorded on these as-built drawings.
C3.5.19	Finishing and Tidying	As the works proceed the work areas shall be progressively and systematically finished off and tidied. Spoil, rubble and other materials shall not be allowed to accumulate.
C3.5.20	Occupational Health and Safety Provisions	In terms of the provisions of Section 37(2) of the Occupational Health and Safety Act, Act No. 85 of 1993 (the Act) the Contractor as an employer in its own right and in its capacity as principal contractor for the execution of the works, shall have certain obligations and the following arrangement shall apply between the Contractor and the Employer to ensure compliance by the Contractor with the provisions of the Act: a) The Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all relevant provisions of the Act and the Construction Regulations promulgated in terms of the Act, and b) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed by the Act and the Regulations shall be fully complied with, and c) The Contractor shall be obliged to report forthwith to the Employer any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act or Regulations pursuant

Clause	Topic	Details
		to work performed on behalf of the Employer, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge, and d) The Contractor shall when called upon to do so, enter into and execute an agreement as provided for under Section 37(2) of the Act. The agreement in the relevant form shall be submitted to the Employer together with a letter of good standing from the Compensation Commissioner within fourteen days after receipt of the Acceptance of the offer. The site will not be handed over to the Contractor until the Employer has received the completed Agreement and the Letter of Good Standing.
C3.5.21	Accommodation of Traffic	Where traffic needs to be accommodated as a result of the works, it shall be done in accordance with the Drawings and the requirements of the South African Road Traffic Signs Manual.
C3.5.22	Safety	The Contractor shall be responsible for the safety and security of his personnel, materials on site and the works in general at all times. The Contractor shall therefore acquaint himself with the current situation in the areas (by liaising with the local police if necessary), and shall provide all security measures, including the employment of accredited security services, as he deems necessary to comply with the requirements of this clause. The Contractor shall ensure that the general public is at all times protected from the works, and that all works areas are properly fenced off so that the general public is prevented from gaining access to the works areas. Where the normal use by the public of, and access to roadways and all other public areas is not available due to the construction works, adequate notices and signage of such temporary closures and alternative routes shall be provided.
C3.5.23	Environmental Care and Management	In addition to any Environmental Management Plan that may be applicable, the Contractor shall at all times adhere to the requirements below:
C3.5.23.1	General	The Contractor shall ensure that no damage whatsoever is caused as a result of his operations or otherwise by his workmen in the areas adjacent to the site. The movement of plant and workmen shall be restricted to the construction areas and essential access routes. The Contractor's workmen will not be permitted in any area which may be designated by the Employer as "Restricted". Details of the restricted areas shall be issued to the Contractor on site. The Contractor shall take steps to protect all property, landscaping, vegetation and soil not directly affected by the Works and shall ensure that no avoidable damage or disturbance is caused, and that no erosion is allowed to occur.
C3.5.23.2	Protected Areas	The Employer shall identify certain areas within the vicinity which are to be protected. Any instance of damage to these areas shall make the Contractor liable to a fine per protected area which will be deducted from the following payment certificate.
C3.5.23.3	Solid waste	Disposal of solid waste other than to the municipal facility will not be allowed.
C3.5.23.4	Liquid waste	No polluted effluent or other liquid of any nature shall be discharged or allowed to run into any watercourse. The handling and disposal of these liquids shall not allow these liquids to enter the ground water system. All such liquids are to be transported off site and disposed of in a manner agreed with the Employer.
C3.5.23.5	Fire Hazards	No fires may be lit except if approved by the Employer and in properly prepared facilities approved by the Employer. Fires shall be kept small and appropriate to their function. The Contractor shall ensure that the fire risk on and near the site is reduced to a minimum and shall take immediate and effective steps to

Clause	Topic	Details
		extinguish any fire that may break out. All costs relating to damage by fire caused by the contractor will be for the contractor's cost.
C3.5.23.6	Contamination by cement	The Contractor shall take care when dealing with cement, especially near ground and surface watercourses. Any, even slight, contamination of watercourses by cementitious material is prohibited. The use of cement must be controlled with respect to the above and surplus concrete must be removed from site.
C3.5.23.7	Reinstatement of scarred areas	All scarred areas, borrow and spoil areas, cut and fill slopes, all temporary haul and access roads and tracks and any other areas where the vegetation has been removed and or damaged, shall be reinstated to restore the area as nearly as possible to its original state. Such reinstatement shall include the removal of refuse, debris, construction infrastructure and materials, the scarifying of all hardened surfaces, the replacement and spreading of unused material, the correction of drainage deficiencies to provide free drainage, the flattening of cut and fill slopes and the shaping and trimming of surfaces, all as necessary or as directed by the Employer.
C3.5.23.8	Environmental instructions to workmen	The Contractor shall ensure that his workmen are properly instructed and carry out the requirements of these environmental clauses. The Contractor will be held liable for all unauthorized damage caused by him or any of his workmen. The Contractor shall provide adequate training to his workmen with regards to the environmental conditions applicable to the works.
C3.5.23.9	Noise Pollution	The Contractor's attention is drawn to the fact that all construction activities will be undertaken within an existing community and noise levels are to be kept to the essential minimum, especially when working outside normal working hours.
C3.5.23.10	Alien Vegetation	All alien plant species removed during the construction of the works to be done in a manner so as to avoid future proliferation.
C3.5.24	Performance Management	The Contractor's performance will be monitored throughout the contract and evaluated according to the following project parameters: 1) Time management 2) Cost management 3) Quality management 4) Health & Safety management 5) Management of site conditions 6) Management of subcontractors The Contractor's performance will be reported monthly by the Employer's Agent or representative during site meetings and after the issue of the Completion Certificate. The format of the report will follow the guidelines of the CIDB.

C3.6 Annexures

Section	Description
C3.6.1	Works Specifications: Variations and additions to the Standardised Specifications

Section	Description								
C3.6.2	• South African Bureau of Standards (SABS) 1200. Standardized specification for civil engineering construction; • South African National Standard 1921-1 General Engineering and construction works; • South African National Standard 1921-3 Steelworks; • SABS 1200 – General (Small Works) (1986)								
	Particular Specifications								
	<table><tr><th>Standard</th><th>Description</th></tr><tr><td>PC</td><td><u>CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING</u></td></tr><tr><td>PD</td><td>MEASUREMENT & PAYMENT</td></tr><tr><td>PHS</td><td>Pre-construction Health & Safety Specification</td></tr></table>	Standard	Description	PC	<u>CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING</u>	PD	MEASUREMENT & PAYMENT	PHS	Pre-construction Health & Safety Specification
	Standard	Description							
	PC	<u>CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING</u>							
PD	MEASUREMENT & PAYMENT								
PHS	Pre-construction Health & Safety Specification								
C4	Drawings (refer C4 – Site Information)								
	C4.2.1: Layout Drawings - B1: Typical borehole construction detail for competent consolidated rock formation								

C3.6.1: WORKS/PROJECT SPECIFICATIONS:

VARIATIONS AND ADDITIONS TO STANDARD SPECIFICATIONS

In certain clauses, the Standard Specifications allow a choice to be specified in the Project Specifications between alternative materials or methods of construction and for additional requirements to be specified to suit a particular contract. Details of such alternative or additional requirements applicable to this contract are contained in this part of the project specifications. It also contains additional specifications required for this particular contract.

Reference to parts of the Standard Specification consists of the prefix "PS" followed by the number(alphabetical) corresponding to the part. Reference to the number of each clause or payment item contained in the part consists of the prefix "PS" followed by the number (alphanumeric) corresponding to the relevant clause or payment item in either SANS1200 or Particular Specifications and thus the clause numbers will not necessarily be consecutive.

The number of a new clause or payment item, which does not form part of a clause or payment item in the Standard Specifications and which is included here, is also prefixed by PS, but followed by a new number which follows on the last clause or item number used in the relevant section of the Standard Specifications.

Where the number of a part does not correspond to a number in the Standard Specifications, the clauses or payment items contained in the part shall be numbered consecutively, with the number of the applicable standard specification clause bearing reference to the clause or payment item indicated in brackets.

The term "Engineer" refers to "Employer's Agent".

PSD BOREHOLE DRILLING

PSD1

GENERAL

The specifications are for the drilling, development, testing, of groundwater boreholes for water supply. No guarantee as to the final number of boreholes to be requested of each Contractor under this contract is made.

The Contractor shall provide all labour, transport, plant, tools, and appurtenances (unless otherwise specified by the Employer in the work order). The Contractor shall perform all work necessary to satisfactorily construct and complete the boreholes in accordance with this Specification and to any further details as may be ordered by the Employer's Representative. The borehole depths will be dependent on drilling results and the strata intersected.

PSD2

EQUIPMENT

The equipment to be used must be of such standard that the requirements as set out in the Project Specifications can be accomplished without any disruption of the works.

The Contractor shall specify in the Form 1M: List of Available Plant and Equipment in Section 1: Forms to be Completed by Tenderer the type of plant he intends to use as well as the method of operation. Its capacity shall be sufficient to cope with the work as specified for each particular Work Order. It shall be kept at all times in full working order and in good repair. The Employer's Representative will reserve the right to inspect the equipment to be used for the completion of the Works prior to the commencement of the Works.

If the Employer's Representative considers that the plant in use on the site of the Works is in any way inefficient or inadequate in capacity, the Employer's Representative shall have the right to call upon the Contractor to put such equipment in order, alternatively, the Contractor will remove such plant and replace it with additional plant or equipment the Employer's Representative considers necessary to meet the requirements of the Contract.

Equipment brought onto the site may not be removed there from without the Employer's Representative's specific permission in writing.

It will be the responsibility of the Contractor to arrive on site with all equipment required to complete the work specified in the work order without interruption.

Where existing equipped boreholes are to be rehabilitated, the Contractor must provide suitable plant to enable the installed pumping equipment to be removed and possibly re-installed. This includes the removal and re-installation of hand-pumps, windmills and motorised pumps.

PSD3

MATERIALS

All materials to be used shall be new and undamaged and shall be supplied and delivered as such on site.

All materials as are required in the drilling and development of ground-boreholes shall be assembled in an approved manner and in accordance with normal ground-water engineering practice.

PSD4**DRILLING****(i) Drilling Techniques****a) Rotary Air Percussion Drilling**

Where the geological formation comprises consolidated rock with limited overburden the standard drilling technique shall be rotary air percussion drilling unless otherwise ordered by the Employer's Representative. Under this technique provision must be made for drilling through boulders and the provision of Odex / Symetrix Air Percussion drilling for advancement through collapsible layers.

(ii) Design and Depth

Various borehole design options will be employed. Typical Borehole Design Options include:

Geological Formation	Typical Construction Detail Drawing No. (See Annexure B)
a) Boreholes in Consolidated Rock Formations - Stable rock formation (with outer casing only) - Un-stable rock formation and Production Type Borehole (with inner casings, perforated casings and/or screens)	B1 B2
b) Boreholes in Un-consolidated Soil Formations - All types of borehole	B3

The decision as to which design to use will be made by the Employer's Representative. The Employer's Representative will base his decision(s) on geological conditions encountered as well as the final diameter to which the borehole must be completed.

It is anticipated that borehole depths will vary typically between 50 and 300m. It should be noted that provision has been made in the Schedule of Rates for drilling to depths of 300m. Final depth of the borehole will be determined by the Employer's Representative. Boreholes not reaching the requested depth will not be acceptable and will not be paid for, unless it can be satisfactorily proved that the borehole cannot be drilled to the required depth.

A minimum 10m sump will be drilled below the level at which the major water strike is intersected or to a level as specified by the Employer's Representative.

(iii) Drilling Diameter

Drilling diameters will be 190 mm (7 ½"), 203 mm (8"), 216 mm (8 ½"), 254 mm (10") and 305 mm (12"). Diameter/s for each borehole to be drilled will be specified by the Employer's Representative.

(iv) Drilling Media

The Contractor may not use drilling media which may cause hole erosion or involve the use of native clay, oil, salt or any lost circulation agent, sawdust, cement, or any form of plugging that could affect the production capacity of the water bearing strata intersected, unless specified in writing by the Employer's Representative.

(v) Drilling Foam

In the event of circulation losses, commercially available foam can be introduced during drilling operations at the Contractors own discretion and cost.

(vi) Straightness and Verticality**a) Straightness**

Boreholes shall be sufficiently straight to permit a steel tube 6 m in length and with outer diameter no more than 15 mm smaller than the inner diameter of the cased borehole, to be lowered without hindrance to the full depth of the particular borehole. Deviation preventing the lowering of such plumb to the bottom of the borehole will not be accepted, and the hole declared a lost borehole. The Contractor shall, in such case, re-drill the hole at his own cost to specification.

The Contractor shall ensure that the above piping, complete with the necessary attachments and equipment required for testing straightness, is available at the drilling machine and such piping shall form part of his standard equipment.

b) Verticality

The centre of the borehole at any depth shall not deviate from the vertical through the centre of the borehole at the top by more than one-third (1/3) of the borehole diameter per 30 m of depth. The diameter of the deviation of a borehole from the vertical shall be carried out in accordance with the latest issue of SABS 045. The apparatus referred to in SABS 045 shall be supplied by the Contractor and shall form part of his standard equipment under this Contract.

In the event that these requirements for verticality are not met, the borehole will be declared a lost borehole. The Contractor shall thereupon re-drill the hole at his own cost, to specification.

(vii) Sampling

Representative drilled cutting samples of the materials intersected shall be collected every meter and the Borehole Information recorded on a Borehole Drilling Report.

Where specifically instructed by the Employer's Representative, the Contractor shall bag and label the samples with the depth increment and store in a position where they will not be contaminated by site conditions or drilling operations for detailed logging by the Employer's Representative.

(viii) Reaming

Where a borehole has previously been drilled to a smaller diameter than required, the original borehole shall be reamed to the required diameter as specified by the Employer's Representative. Reaming shall comprise the widening of the existing borehole using rotary air percussion methods for varying borehole diameters advanced through all types of consolidated rock formations encountered. Reaming shall be to one of the following diameters: 203 mm (8"), 216mm (8 ½ ") 254 mm (10") or 305 mm (12").

PSD5**CASING, PERFORATED CASING AND SCREENS**(i) General

Casings, perforated casings and screens shall be supplied by the Contractor as specified in the Schedule of Rates or as specified by the Employer's Representative. Mild steel casing will be used predominantly for consolidated type rock formation boreholes and PVC casing will be used predominantly for un-consolidated type formations but not limited thereto.

All materials to be used shall be new and undamaged and shall be supplied and delivered as such on site.

(ii) Plain Casing

Plain casing shall be used as an outer and / or inner lining to a borehole and shall be made of either mild or stainless steel, or PVC depending on the nature of the formation and as determined by the Employer's Representative.

The outer casing shall be inserted through the overburden and any zones of non-potable / undesirable seepage water and driven into the consolidated rock formation below. The inner casing shall be installed in conjunction with perforated casing and / or screens according to the specification issued by the Employer's Representative.

All steel casing shall have a minimum 4mm wall thickness (or as specified by the Employer's Representative), shall be bevel edged and weld jointed. All PVC casing shall be a minimum CLASS 9 (or as specified by the Employers Representative) and shall be factory threaded both ends with which they shall be joined unless otherwise specified by the Employer's Representative.

Casing shall be installed to depths as specified by the Employer's Representative. After completion of the work, the casing shall protrude a minimum of 500mm above natural ground level.

The casing shall be of the diameter specified, self-aligning and from approved suppliers. Refer to drawing No's B1 to B3 for typical construction details of casing installations in consolidated rock and un-consolidated soil formations.

(iii) Perforated Casing

Perforated casing shall be used as an inner lining to a borehole where collapsing conditions occur at water bearing horizons and for production boreholes. The perforated casing shall be made of either mild or stainless steel, or PVC as determined by the Employer's Representative and shall comply with the requirements of Clause PB5 (ii) for Plain Casing. The perforated casing shall be installed under supervision to levels as given by the Employer's Representative. There may be a requirement under special circumstances to perforate steel casing on-site otherwise all casing must be factory perforated. The diameter, slot size and percentage open area of the slotted casing shall be determined by the Employer's Representative.

(iv) Temporary Casing

Where difficult drilling conditions occur, the insertion of temporary casing during drilling and borehole construction will be necessary. This casing must also comply with the requirements of Clause PB5 (ii).

(v) Casing Centralizers

Casing shall be guided and supported by casing centralisers where requested by the Employer's Representative.

PSD6

DEVELOPMENT AND CAPPING

(i) Development of Borehole

On completion of construction the borehole shall be developed to attain the maximum possible yield of groundwater, free of suspended materials. Development by means of flushing and blowing large volumes of water shall be carried out using air surging, jetting, or such other standard techniques as may be directed by the Employer's Representative.

Where there is insufficient natural water in the borehole to develop adequately, then sanitised water shall be imported to site by the Contractor to augment the low yielding borehole.

(ii) Blow Yield Measurement

Blow yield measurement shall be undertaken and recorded during drilling operations in order to establish the blow yields for different water strikes occurring in each borehole. Additionally, a blow yield test shall be carried out by the Contractor after completion of drilling of the borehole as specified by the Employer's Representative. The blow yield test comprises the constant displacement of groundwater at optimum yield using air flush methods with the yield measured by draw-off pipe and bucket method or a v-notch flow meter.

(iii) Jetting of Borehole

High pressure water jetting to effectively develop a sand filter and / or aquifer shall be carried out on a screened borehole at the instruction and supervision of the Employer's Representative.

(iv) Back-filling

Where there is a need to provide a base for a sanitary seal or support for the sidewalls of the borehole and the solid casing, back-fill comprising drill cuttings removed from the borehole while drilling, may be used. Annular backfilling is not suitable where the casing extends to substantial depths and comprises open casing (perforated, slotted or screens) or where the water-bearing zone is shallow and open to the borehole via open casing. Back-fill is to be inserted in the annular space of the borehole and solid casing at depths specified by the Employer's Representative.

(v) Filter Pack/Gravel Pack

A filter pack installed between the annular space of the borehole and perforated casing and / or screens may be specified by the Employer's Representative where specific geological conditions are encountered. The filter material shall comprise clean, graded silica gravel (as specified) and shall be placed by means of a "tremie pipe" to the levels as specified by the Employer's Representative. Sanitised water shall be used for this process. Refer to Drawing No's B2 and B3 for typical construction details.

(vi) Grout Back-fill / Bentonite Seal

Where specific levels in a borehole require to be sealed off, a grout back-fill or bentonite seal shall be specified by the Employer's Representative. The grout shall comprise a mixture of bentonite,

sand and cement as specified by the Employer's Representative. Refer to Drawing No's B1 to B3 for typical construction details.

(vii) Capping of Borehole

During the Time for Completion when work is not in progress, the boreholes shall be kept capped in such a manner as to prevent the ingress of foreign material. The Contractor shall remove any foreign matter at his own expense. Unsuccessful boreholes shall also be capped in the same manner unless otherwise instructed by the Employer's Representative to stone plug the unsuccessful borehole as given in Clause PB6 (viii).

On completion of the borehole and / or prior to installation of a pump the Contractor shall cap the borehole by completely welding a 4mm thick steel cover onto the protruding steel casing or by permanently affixing a PVC cap onto the protruding PVC casing. It is the responsibility of the contractor to ensure that the capping is not broken off and the borehole not damaged.

A borehole number identification is to be inscribed onto the capping.

(viii) Plugging of Unsuccessful Borehole

Where an unsuccessful borehole is drilled or a borehole abandoned or lost the outer casing may be removed at the direction of the Employer's Representative and the borehole stone plugged as detailed in Drawing No. B4

A borehole identification number is to be inscribed onto the concrete cover.

(ix) Disinfection

On completion of developing of borehole the borehole shall be disinfected with a solution of 0,5kg of HTH mixed in 50 litres of water.

PSD7

Grouting and sealing of Artesian Borehole

(i) Site Preparation

- Secure the borehole area and install suitable temporary flow-control measures where artesian flow is present.
- Clean and prepare the borehole collar and exposed casing. Surfaces to be sealed shall be free from loose material, grease, soil and other contaminants that could interfere with bonding or sealing.
- Confirm the annular space, casing arrangement and required grouting depth before commencement of grouting.

(ii) Artesian Flow Control

- Artesian flow shall be reduced or temporarily controlled using suitable valves, fittings, packers or other approved methods to permit effective placement and setting of the grout.
- Flow-control measures shall not damage the borehole casing or compromise the integrity of the borehole.

(iii) Grouting of Outer Casing

- The annular space between the borehole wall and outer casing shall be sealed using an **approved cement-based or cement-bentonite grout** suitable for groundwater borehole construction.
- The grout mix and any additives shall be submitted to the Engineer/Geohydrologist for approval before placement.
- The grout shall be mixed mechanically to produce a homogeneous, pumpable mixture without excessive segregation or bleeding.
- Grout shall be placed through a **tremie pipe or grout pipe extending to the base of the zone to be grouted**.
- Grouting shall proceed **continuously from the bottom upward**, thereby displacing water and reducing the likelihood of bridging, segregation and the formation of ungrouted voids.
- Grout shall **not be poured from surface into a deep annular space** where this could result in bridging or incomplete sealing.
- Grouting shall continue until the specified annular interval has been completely filled and uncontaminated grout is returned at the required termination level.

- The grouted interval shall extend to the depth shown on the construction drawing or instructed by the Engineer/Geohydrologist. Where a **50 m seal** is specified, the annulus shall be continuously grouted over the full specified 50 m interval.
- The Contractor shall record the theoretical grout volume, actual grout volume placed, grouting depth and any observed grout losses or abnormal conditions.

(iv) Installation of Cover Plate / Wellhead Seal

- Following completion of grouting, a properly fitted cover plate, sanitary seal or approved artesian wellhead assembly shall be installed.
- The completed wellhead shall prevent uncontrolled artesian discharge, ingress of surface water and contaminants, and leakage along the outside of the casing.
- All valves, joints, flanges and connections shall be watertight and suitable for the expected artesian pressure.

(v) Curing and Inspection

- The grout shall be allowed sufficient time to set and develop adequate strength before the casing or wellhead is subjected to operations that could disturb the seal.
- Curing time shall comply with the approved grout manufacturer's requirements and/or the Engineer's specification.
- Following curing, the installation shall be inspected for leakage, grout settlement and uncontrolled flow around the casing.
- Any evidence of leakage, incomplete sealing, grout settlement or artesian bypass shall be rectified by the Contractor before acceptance.

(vi) Site Rehabilitation

- Temporary flow-control equipment shall be removed only once the permanent seal and wellhead have been confirmed to be effective.
- Surplus grout, drilling material and construction waste shall be removed.
- The borehole surroundings shall be reinstated to a safe and acceptable condition and shaped to prevent ponding of surface water around the borehole.

Quality Control / Acceptance

The grouting operation shall only be accepted once:

1. The specified annular interval has been completely grouted;
2. The actual grout volume and grouting depth have been recorded;
3. No uncontrolled artesian flow occurs along the outside of the casing;
4. No visible leakage occurs through the completed wellhead assembly;
5. The casing and wellhead remain structurally intact; and
6. The completed installation has been inspected and accepted by the Engineer/Geohydrologist.

PSD8

LOST BOREHOLE

Should accident to the plant, behaviour of the ground, jamming of the tools or casing, non-compliance of the straightness or verticality test (as specified in Clauses PB4 (vi)) or any other cause, prevent the satisfactory completion of the works, the borehole shall be deemed to be lost and no payment shall be made for the drilling or borehole construction costs nor for any materials, nor for any time.

The costs of materials which have been recovered but are in a damaged state are borne by the Contractor. Should the materials recovered be in good order, then the Contractor shall have no claim for such materials and will have the option to re-use such materials within the scope of the project. A lost borehole shall be stone plugged as given in Clause PB6 (viii) and as detailed in Drawing No. B4, or as per the Employers Representative's instruction.

Should the lost borehole be considered a potential pollution point source, the Employer's Representative may issue further instructions to effectively seal the borehole.

In the event of a lost borehole, the Contractor shall construct a new borehole adjacent to the lost borehole, on a site indicated by the Employer's Representative. The option of declaring any borehole lost shall rest with the Contractor, subject to directions from the Employer's Representative.

No payment whatsoever will be made for the lost borehole. Measurement and payment for the construction of a borehole adjacent to the lost borehole shall be in accordance with the specifications of any other borehole included in this document, provided that the specifications therefore are met.

PSD9 REPORTS

The Contractor shall accurately record the following reports:

	Name	Description	Supplied
1	Construction Report	An accurate record of all Contractors activities including time, personnel, plant, equipment, quantities of materials used, borehole depths, etc.	Daily record kept by Contractor and available for inspection by the Drilling Inspector and / or the Engineer
2	Borehole Drilling Report	An accurate record for each borehole of borehole No., locality, drilling techniques used and stratigraphic data including depths, strata type, water strike levels, blow yields, casing diameter, lengths, etc.	On completion of each borehole drilled
3	Borehole Rehabilitation Report	An accurate record for each rehabilitated borehole, including borehole number and locality; pre-rehabilitation condition and camera findings; mechanical and chemical rehabilitation methods; chemicals/products, concentrations, quantities and contact periods used; flushing and disposal procedures; pre- and post-rehabilitation pumping/test results; water-quality sampling/results where applicable; and the final condition of the borehole.	Within 3 days of completion of rehabilitation of each borehole

The Contractor shall not be paid for any work invoiced unless the above-mentioned reports pertaining to the work invoiced have been satisfactorily submitted.

The Contractor shall submit each report to the Employer's Representative within 3 days of completion of the work as detailed in the Report. Failure to do so shall be regarded as non-performance in terms of the contract and will be subject to the conditions of contract.

PSD10 SUPERVISION

The Contractor is to provide a suitably experienced foreman who is required to supervise and direct the work at all times, and who will be responsible for:

- Confirmation of borehole positions (with allocated Borehole Numbers) as set out by the Employer's Representative;
- Introduction and acquaintance with the Employer's Area Representative, the community leader and / or water committee representative if so directed by the Employer's Representative;
- Supervision of operations;
- Preparation of all field reports.

C3.6.2: PARTICULAR SPECIFICATIONS

PC CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING

PC1 GENERAL

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract.

This contract comprises the test pumping, and water quality analysis of existing boreholes in the Prince Albert Municipality, as will be indicated by the Geohydrologist.

PC2 MOBILIZATION, DEMOBILIZATION AND RESTITUTION

The Contractor shall mobilize to the site in accordance with the agreed Work Program. The sum for mobilization/demobilization shall include transportation of machinery, erection, dismantling and preparation of temporary camps as the Contractor deems necessary, water for camping, personnel sanitary facilities.

The contractor shall minimize disturbance, particularly ensuring that pumped test water is discharged in a manner that does not create a nuisance either to the public or private property.

Site re-instatement under the conditions of contract shall include the removal of all waste, including hydrocarbons spilled, leaked or otherwise released. Site re-instatement is deemed an integral part of mobilization.

It is envisaged that there are two types of teams to establish as follows:

- a) Drilling Equipment
- b) Test pumping, and camera work

PC3 CONTRACTOR'S EQUIPMENT

No extra payment shall be made for the Contractor's change of labour or other equipment required to complete the Works specified, nor for any incidentals thereto, the cost being deemed to be included in the schedule of rates.

PC4 DOWN HOLE CAMERA INSPECTIONS

The Contractor will lower a down-the-hole borehole camera into the hole to inspect the borehole integrity, and / or to identify any items requiring removal from the borehole.

PC5 AQUIFER TESTING

Borehole testing will be conducted according to SANS 10299 – 4:2003 (Development, maintenance and management of groundwater resources Part 4: Test-pumping of water boreholes). The following elements are required.

- Step-drawdown test;
- Recovery test;
- Constant discharge test;
- Recovery test.

PC6 STEP DRAWDOWN TEST

The step drawdown test will typically comprise four (4) steps tests of sixty (60) minutes each, with no recovery phase between successive steps. The step constant drawdown test shall not start until water level has returned to the true static water level, unless otherwise directed by the Geohydrologist.

- Typically, individual step discharges would comprise 50%, 75%, 100%, and 130% of the anticipated production discharge rate.
- Discharge increments shall be effected as nearly instantaneously as possible and once set shall not be changed except by instruction of the Geohydrologist.
- Discharge variations and measurement shall be effected by means of the globe valve and manometer gauge as follows;

PC7 CONSTANT DISCHARGE TEST (CDT)

The CDT shall typically last not less than twelve (12) hours, and for suitable production boreholes continue for 48 hours, or as otherwise determined by the Geohydrologist. A water Sample will be procured towards the end of the test for subsequent analysis by an accredited laboratory.

PC8 RECOVERY TEST

Recovery tests shall typically continue for the time duration of the CDT or until 95% recovery has been achieved, whichever occurs first, or as otherwise directed by the Geohydrologist. Only after the completion of recovery data collection may pumping and ancillary plant be removed from the borehole.

PC9 METHODOLOGY

- a) Test pumping plant and dipper conduit shall be installed in the borehole to be tested. The Contractor shall investigate and agree with the Geohydrologist as to the anticipated discharge and pump intake depth.
- b) The Contractor shall have on site the necessary equipment for measurement of flows, a suitable electrical contact meter (dip meter), calibrated in centimeters, with backup.
- c) Readings of flow and water level shall be taken at the intervals defined on the test pumping form.

PC10 PUMPING PLANT

- i) Pumps used for test must be a positive displacement pumps (it is the contractors' responsibility to ensure constant flow rates).
- ii) Any pump used in tests must have a fully functioning non-return valve either in the pump itself or in the rising main immediately above the top of the pump.
- iii) The Contractor must have pumps covering the anticipated discharge range.
- iv) The water pumped from the borehole shall be discharged to waste at a distance and in such a manner that it does not pond or flow back towards the borehole.
- v) The Contractor must provide a generator or other prime mover for powering the pump, as power is not available at the sites.

PC11 DISCHARGE MEASUREMENT AND CONTROL

Discharge measurements shall be by an approved accurate method, such as an Orifice Plate, calibrated flow meter or a V-notch weir. If volumetric methods are proposed, the Contractor will ensure the container to be used has been calibrated. When time to fill measurements is made, each discharge measurement shall be calculated from the average of three measurements. Discharge shall vary by no more than 3% across each step of step drawdown test, and the constant discharge test.

PC12 WATER LEVEL MEASUREMENT

Water level measurements shall be by electric sounding and/or lighting dipper and shall be made in a dipper tube installed alongside the test pump rising main and tied securely to it. Measurements must preferably be to mm scale and not less than cm scale. The Geohydrologist will check the dipper for stretch and any other inaccuracies prior to accepting its use.

PC13 ADMISSIBLE RATES

Rates of pumping and recovery are deemed to include the cost of plant installation and removal. The rates are deemed inclusive of installation, removal, plant use, testing and data collection.

PC14 TIME MEASUREMENT

All times shall be measured by means of a stopwatch. The Contractor shall ensure that spare batteries etc. for all equipment are available prior to commencing tests.

PC15 WATER QUALITY TESTING

- a) The contractor shall take a water quality sample at every borehole.
- b) The water quality sample should be delivered to an accredited laboratory, as authorized by the client, and as directed by the geohydrologist.
- c) Water samples for chemical analysis should be collected at the end of the test pumping process and analyzed at an accredited laboratory. Samples are to be cooled and delivered within the timeframes stipulated by said laboratory or the earliest possible time of delivery.
- d) Samples are to be collected in sample bottles as approved and supplied by the laboratory.

PC16 BOREHOLE DISINFECTION

Each successful borehole must be chlorinated following completion drilling operations. The Contractor will dose at a concentration of chlorine as specified by the geohydrologist.

PC17 PROTECTION

During the contract period, when work is not in progress, the boreholes shall be kept capped in such a manner as to prevent the entrance of foreign materials. Should the borehole be compromised due to poor protection during the contract period, then the Contractor shall remove any foreign matter at his own expense.

After successful completion of drilling, casing and testing headworks will be constructed in line with the guidelines which forms part of the documentation of this contract.

PD MEASUREMENT AND PAYMENT**1 GENERAL****1.1 HEALTH AND SAFETY PLAN**

The contractor shall submit a health and safety plan in accordance with relevant legislation for the works to be conducted.

Unit: Lump Sum

2 BOREHOLE REFURBISHMENT AND REDRILLING**2.1 ESTABLISHMENT**

The rate is inclusive of provision of all equipment, plant, personnel and facilities that is necessary to perform the work as required per rig with establishment thereof at the first borehole site and de-establishment on completion of the work order. Payment shall be made as a lump sum to locate the rig to the first borehole site Unit: lump sum

2.2 SET-UP (Percussion)

The rate is inclusive of the set-up of the percussion drilling rig and all plant and equipment. Payment shall be made at a unit rate per borehole. Unit: No.

2.3 INTER BOREHOLE MOVES

The rate is inclusive of all transport and personnel required for relocation of the drilling rig. Payment shall be made at a unit rate per kilometre and include travel costs. Unit: km

2.4 WATER HAULAGE

Where additional water is required to be hauled to site to satisfactorily carry out Jetting of Borehole (Payment Item 8 and 11). The rate is inclusive of all water supply equipment and personnel required to draw, contain and to haul the water from water source to site. Payment shall be made per cubic meter (m³) of water hauled per kilometer travelled Unit: m³/km

2.5 AIR PERCUSSION DRILLING

The rates for Air Percussion Drilling are based on diameter and cover all costs for labour, plant, materials and fuel required for advancement of borehole to specified depths, and which are not covered under other payment items. Payment shall be per linear meter advanced. Unit: m

The drilling depth rates for depths 150 – 300m. Payment shall be per linear meter. Unit: m

2.6 REAMING

The rate provides for all additional labour, plant, material and fuel required for reaming a smaller diameter borehole to a larger diameter as specified by the Employer's Representative. The Contractor shall be paid at a rate per linear metre advanced.Unit: m

2.7 ODEX / SYMETRIX

a) Odex / Symetrix (254mm) Air Percussion Drilling

The rates for Odex / Symetrix Air Percussion Drilling are based on diameter and cover all costs for labour, plant, material and fuel required for the successful advancement of the borehole through collapsible layers of any thickness occurring within the consolidated rock formation where standard air percussion drilling methods are proved to be ineffective, and which are not covered under other payment items. Payment shall be per linear meter advanced

Unit: m

b) Odex / Symetrix Casing Shoe

Where Odex / Symetrix Air Percussion drilling is required an Odex / Symetrix casing shoe shall be supplied and used. Payment for the cost of supply, transport, delivery and safe keeping on site of the casing shoe as specified by the Employer's Representative. Payment shall be per casing shoe used Unit: No.

c) Odex / Symetrix Casing

Where Odex / Symetrix Air Percussion drilling is required an Odex / Symetrix casing shall be supplied and used. Payment for the cost of supply, transport, delivery and safe keeping on site of the casing shoe as specified by the Employer's Representative. Payment shall be per casing shoe used Unit: No.

2.8 BOREHOLE REHABILITATION

The rate provides for the appropriate air percussion drilling operations required to clean the existing borehole to the satisfaction of the Employer's Representative. The rate includes all risks insurance cover attached to rehabilitation of boreholes and is a fixed rate of 60% of the air percussion drilling rate per meter. Payment shall be per linear meter advanced. Unit: hr

Note: Where existing pump-housing requires removing and subsequently re-erecting, the Contractor may be requested by the Employer's Representative to obtain three competitive quotes to undertake such work and will be measured under Payment Item 17.

2.9 CASING

a) Plain and Factory Perforated Mild Steel Casing

Payment for the cost of supply, transport, delivery and safekeeping on site of Plain and Factory Perforated Mild Steel Casing of 4mm wall thickness. Payment shall be made only for materials used

per linear meter installed and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be measured at a rate per linear metre of casing Unit: m

b) Plain and Factory Perforated PVC Casing

Payment for the cost of supply, transport, delivery and safekeeping on site of threaded Plain and Factory Perforated PVC Casing of varying diameter (minimum class 9). Payment shall be made only for materials used per linear meter installed and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be measured at a rate per linear metre of casing.Unit: m

Only factory-performed, factory-threaded PVC casing will be acceptable (i.e. not to be perforated on site, and riveting and glue not acceptable). There shall be no payment for material declared lost or made unusable due to damage thereof.

a) Centralizers

Payment for the cost of supply, transport, delivery and safekeeping on site of casing centralisers for PVC (140mm) casing. Payment shall be made per casing centralizer used and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be per casing centraliser.Unit: No.

There shall be no payment for material declared lost or made unusable due to damage thereof.

b) PVC End Caps

Payment for the cost of supply, transport, delivery and safekeeping on site of PVC Casing End Caps (140mm). Payment shall be made only for materials used per end cap installed / used and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be measured per end cap usedUnit: No.

2.10 DEVELOPMENT AND BLOW YIELD TESTING

The borehole development and blow yield testing time rate is to cover all the time effectively spent on borehole development and the blowing time required for carrying out blow yield testing as instructed by the Employer's Representative and where drilling operations are not being performed concurrently. The Contractor is deemed to have all the necessary equipment on site for development and blow yield testing. Payment shall be at an hourly rate for any further development for blow yield testing and / or developing thereafter and as instructed by the Employer's Representative.Unit: hr

If additional water is required for development the water haulage cost thereof shall be covered under Payment Item 3.

2.11 JETTING OF BOREHOLE

The rate is to cover all the special equipment used and time effectively spent on jetting the borehole as instructed by the Employer's Representative. The Contractor is deemed to have all the necessary equipment on site for jetting. Payment shall be made per hour the borehole is jetted

Unit: hr

If additional water is required for jetting the water haulage cost thereof shall be covered under Payment Item 3.

2.12 BACK-FILL

Where instructed by the Employer's Representative back-fill shall be inserted and will be measured at a rate per cubic meter (m³) of material inserted. Payment shall be per cubic meter inserted

Unit: m³

2.13 GRAVEL / FILTER PACK

Payment for the cost of supply, transport, delivery and safekeeping on site and inserting of filter pack / gravel pack as specified by the Employer's Representative. Payment shall be made only for materials used and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be per 40kg bag of gravel / filter pack supplied and inserted.Unit: bag

There shall be no payment for material declared lost or made unusable due to damage thereof.

2.14 GROUT BACK-FILL / BENTONITE SEAL

Payment for the cost of supply, transport, delivery and safekeeping on site of cement and bentonite used for the grout back-fill / bentonite seal as specified by the Employer's Representative. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be per linear meter of grout back-fill / bentonite seal

supplied and inserted Unit: m

There shall be no payment for material declared lost or made unusable due to damage thereof.

2.15 CAPPING OF BOREHOLE

The rate for capping of a borehole of varying diameter includes the provision and affixing of the 4mm steel plate or PVC cover to the steel or PVC casing respectively and the inscription of the borehole

number identification thereof. Payment shall be per borehole capped.
Unit: No.

2.16 DISINFECTION OF BOREHOLE

The rate for the disinfection of a borehole includes payment for the cost of supply, transport, delivery and safekeeping on site of disinfectant (specifically granular HTH) as specified by the Employer's Representative. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be per kilogram of material supplied and inserted.
Unit: kg.

There shall be no payment for material declared lost or made unusable due to damage thereof.

2.17 ADDITIONAL ITEMS

Where Additional Items are specified by the Employer's Representative and rates are not included in the Schedule of Rates, the costs thereof shall be recovered on the basis of proven cost with a percentage mark-up of 10% on the Nett price (excluding VAT).
 Payment shall be made only for materials used and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. The Contractor shall purchase specified materials on the basis of three competitive quotes with written approval by the Employer's Representative.

3 CAMERA INSPECTIONS, AND SUSTAINABLE YIELD TESTING

3.1 Test Pumping Rig Establishment

The anticipated borehole yield will range from 1 to 15l/s. The test pumping should consider this yield range prior to establishment and installation to be versatile enough to cover the whole yield range. The rate is inclusive of provision of all equipment, plant, personnel and facilities that is necessary to perform the work as required per test pumping rig with establishment thereof at the first borehole site and de-establishment on completion of the work order. Payment shall be made as a lump sum per rig to locate the rig to the first borehole site.

Unit: Lump Sum

3.2 Inter Borehole moves

Once established, rigs will move from one borehole testing location to the next under the guidance of the hydrogeologist.

The rate is inclusive of moving all equipment, plant, personnel and facilities that is necessary to perform the work as required per test pumping rig with establishment thereof at every borehole after the first borehole site. Payment shall be made per kilometre measured between each borehole moved to.

Unit: km

3.3 Test Pumping Rig Set-up

The rate is inclusive of all transport and personnel required for location of the test pumping rig and all plant and equipment at the borehole site and the set-up thereof. The provision of pumps is to cover the anticipated yield range is required. Payment shall be made at a unit rate per borehole.

Unit: No.

3.4 Test Pump Installation / Removal

The test pump will need to be installed at the interpreted main strike within the borehole, where perforated casing should be present to allow for linear flow. Anticipated installation depths will vary but are estimated to be 80mbgl. Installation includes both the test pump, and the necessary

conducting for the electrical contact meter to take water level measurements during the test. The rate is inclusive of the removal of the test pumping equipment on completion of the test.

Payment shall be measured for the first 50m, and then at a rate per linear metre thereafter.

- a) For pumps up to and including the first 120m

Unit: No.

- b) For every linear meter thereafter

Unit: m

3.5 Laying of Discharge Hose

The laying of discharge hose is particularly important to minimize recharge of the aquifer from the discharge component of the test. The discharge hose should be capable of coping with flows of the pump installed. Hydrogeological conditions will require a minimum distance of 100m away from the borehole in a direction that encourages run-off away from the borehole.

Payment shall be measured at a rate per 100m of discharge hose installed.

Unit: 100m

3.6 Step (Variable) Discharge Rate Testing

A variable discharge and/or constant discharge test (using either an approved line-shaft or submersible pump) shall be carried out to determine the optimum yield of the Constant Discharge Test (CDT). The pump must be typically capable of pumping at variable rates in line with the anticipated yields of the boreholes. Positive displacement type pumps are recommended for high yielding boreholes, unless variable speed drive technology is available on a submersible pump. Pumping heads should be capable of lifting up to 120m head.

A sustainable yield test should comprise 4 x 60minute step tests, and associated recovery, followed by the interpreted Constant Discharge Rate that will attain 60 to 75% drawdown at the end of the CDT. The CDT duration is 24 to 48 hours.

The step discharge rate includes for the pumping time required to carry out test-pumping for the time period, pumped flow rate/s, and time intervals as specified by the Employer's Representative and the monitoring of water levels thereof. Payment shall be made per hour (or part thereof) that discharge testing actually takes place.

Unit: hr

3.7 Constant Discharge Rate Testing (CDT)

The CDT is the constant rate pumping of the optimum yield as determined in the step discharge rate test. of the Constant Discharge Test (CDT). The CDT should attain 60 to 75% drawdown at the end of the stipulated pumping period. The CDT duration is variable, and will be specified between 12 and 48 hours by the geohydrologist on site.

The rate includes for the pumping time required to carry out test-pumping for the time period, pumped flow rate/s, and time intervals as specified by the Employer's Representative and the monitoring of water levels thereof. Payment shall be made per hour (or part thereof) that discharge testing actually takes place.

Unit: hr

3.8 Recovery Testing

The rate of recovery comprising the monitoring of recovery of water level at specific time intervals shall be measured for a minimum period to recover to 95% of original static water level or equal to pumping time (whichever occurs first).

Monitoring of water recovery levels shall be measured at an hourly rate for the time frame and time interval as described above. Payment shall be made per hour (or part thereof) that recovery is monitored.

Unit: hr

3.9 Borehole Disinfection

On completion of testing of the borehole and the removal of the testing equipment, the borehole is to be shock treated with two cups of granular chlorine to remove any potential bacteriological contamination the test equipment may have introduced into the borehole.

The rate for the disinfection of a borehole includes payment for the cost of supply, transport, delivery and safekeeping on site of disinfectant granular chlorine (e.g., HTH). Payment shall be made only

for materials used and shall be calculated for each completed borehole. No claims for extra payment will be entertained by reason of remoteness, wharfage, insurance, etc. Payment shall be per kilogram of material supplied and inserted.

Unit: kg

3.10 Water Quality Testing

All new groundwater sources should be sampled and sent to a recognized and certified laboratory for human consumption potability assessment (SANS 241 short).

The rate is inclusive of all time and disbursement costs to sample, deliver and analyse the water quality to the minimum relevant standard. Payment shall be water sample taken and submitted for analysis.

Unit: No.

3.11 Reporting

The Contractor shall accurately record all aspects performed for the project. An accurate record of yield test information is to include borehole No., locality (co-ordinates), borehole depth, datum point, water levels, time intervals, flow rates, recovery and any special observations. The report is to include start and end times, and site instructions issued by the Employer's representative. The report shall be made available both in hard copy, and in excel format.

All test results must be quantified, i.e., accurate measurements for drawdown, flow rate, time, recovery and test borehole details to be recorded on the applicable Test Pumping Report. Payment shall be made per test result, inclusive of all observation boreholes.

Unit: No.

3.12 Down-the-hole Camera Inspections

The Contractor shall lower a suitable waterproof camera down the borehole to inspect the integrity of the borehole wall, and well as to identify any items requiring removal from the borehole.

All test results must be recorded, and the video file recorded and submitted digitally. Payment shall be made per down the hole camera inspection.

Unit: No.

PRINCE ALBERT LOCAL MUNICIPALITY

Tender No.: 111/2026

KLAARSTROOM: EMERGENCY WATER SUPPLY INTERVENTION (DRILLING TESTING & REHABILITATION OF PRODUCTION BOREHOLES)

PHS – PRE-CONSTRUCTION HEALTH AND SAFETY SPECIFICATION

CONTENTS

PHS 1.	INTRODUCTION
PHS 2.	GENERAL
PHS 3.	SCOPE OF THE WORK
PHS 4.	EXISTING SITE CONDITIONS
PHS 5.	DESIGN INFORMATION
PHS 6.	CONSTRUCTION MATERIALS
PHS 7.	SITE ACCESS & ENVIRONMENTAL CONDITIONS
PHS 8.	USE OF SITE BY THE EMPLOYER
PHS 9.	WAYLEAVES
PHS10.	REPORTING OF INCIDENTS
PHS 11.	MEASUREMENT AND PAYMENT
PHS 12.	HEALTH AND SAFETY PLAN
PHS 13.	SAFETY AUDITS BY EMPLOYER
PHS 14.	VARIATIONS
PHS 15.	ITEMS REQUIRING PARTICULAR ATTENTION
PHS 16.	THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES WITH REGARD TO HAZARDOUS WORK OR ACTIVITIES
PHS 17.	RISK ASSESSMENTS

PHS 1. INTRODUCTION

The Occupational Health and Safety Act 1993 (Act No. 85 of 1993) together with its applicable Regulations ("the OH&S Act") forms part of the Health and Safety Regulations. Any word or expression to which a meaning has been assigned in the OH&S Act, shall have the meaning so assigned to it unless otherwise indicated. The Principal Contractor must comply with all the relevant requirements of the OH&S Act which aims to minimise Health and Safety hazards on projects.

In terms of the Construction Regulation 4(1) (a) of the OH&S Act, the **Prince Albert Municipality**, as the Client, is required to compile an Occupational Health & Safety Specification for all projects.

The purpose of this specification is to ensure that Principal Contractors entering into a Contract with the **Prince Albert Municipality** maintains an acceptable level of OH&S performance. The OH&S Specification forms an integral part of the Contract and Principal Contractors shall ensure that their contractors and/or suppliers comply with this Specification.

Compliance with the OH&S specification does not absolve the Principal Contractor from adhering to the legal requirements with regards to health & safety of his employees and mandataries.

The Principal Contractor must give the required notice to the Provincial Department of Labour before commencement of any construction work.

This notice shall include the information as set out in Form A to this Specification and shall be signed by both Principal Contractor and Client.

PHS 2. GENERAL

This specification covers health and safety matters applicable during construction.

The Contractor shall comply with the Occupational Health and Safety Act (Act No. 85 of 1993) (OHS Act) and in particular with its Construction Regulations.

All the work included in this Contract shall, for the purpose of complying with the OHS Act and the Construction Regulations, be deemed to be "construction work".

It should be noted that, with a few exceptions, the Standard Specifications and the Project Specifications are "end product specifications" and not "method specifications". As the methods of construction to be used are generally determined by the Contractor detailed safety requirements applicable to all the operations to be carried out on Site are not provided in the project documentation. The Contractor shall apply all the relevant safety regulations and requirements to the work methods and materials used.

PHS 3. SCOPE OF THE WORK

The temporary and permanent Works required under this Contract are described in Part C3, Scope of Work of the contract document.

The Contractor, in complying with the OHS Act and the Construction Regulations, shall consider all aspects of the Works described and take into account the construction methods and materials to be used.

Although particular attention must be given to the Employers identified risks or hazards, the Principal Contractor must provide for all other relevant items in his health and safety plans submitted.

The Principal Contractor must ensure current registration and good standing with the Compensation Commissioner. Evidence to this effect must be submitted to the Client.

The Principal Contractor must submit in writing the name and experience of the full-time competent employee it intends to employ to supervise construction work.

It is the responsibility of the Principal Contractor and his Contractors to provide for all expenditure related to the management of the OH&S Act.

PHS 4. EXISTING SITE CONDITIONS

The contractor shall take into account inter-alia, the following conditions in complying with the OH&S Act.

- a) Existing Services
- b) Traffic accommodation requirements
- c) Surrounding land-use

- d) Anticipated weather conditions

The existing conditions are described in Part C3, Scope of Work of the contract document.

PHS 5. DESIGN INFORMATION

Design information applicable to safety planning is provided in Part C3, Scope of Work of the contract document. Should the Contractor require any further design information in order to prepare the Safety Plan this information will be provided by the Employer's Agent upon receipt of written requests from the Contractor.

PHS 6. CONSTRUCTION MATERIALS

The following commonly used construction materials and substances potentially pose health and safety hazards:

- a) All materials contained in pressurised containers.
- b) Bitumen and tar products
- c) Cement
- d) Epoxies
- e) Lime and other stabilizing agents
- f) Paints
- g) Timber preservations

The materials to be used to construct the Works are described in Part C2, Bills of Quantities, and Part C3, Scope of Work of the contract document.

The Contractor shall take appropriate measures to manage the risks associated with the use of all the materials required to complete the Works, i.e. not only those listed above, and shall, inter alia, implement all the precautionary measures provided by manufacturers and suppliers for the storage, use and application of materials used.

PHS 7. SITE ACCESS & ENVIRONMENTAL CONDITIONS

The Contractor must take note of the requirements regarding the control of access for deliveries, vehicular and pedestrian routes to site. The Contractor must comply with all safety, environmental and other relevant conditions and requirements on the Project.

PHS 8. USE OF SITE BY THE EMPLOYER

The Contractor must comply with any continued use of the site by the Employer to maintain traffic flows, stormwater routes or to allow work to be done by other contractors or authorities.

PHS 9. WAYLEAVES

The Contractor shall be responsible for obtaining all wayleaves, permissions or permits applicable to working near any existing services or other infrastructure on Site and shall abide by the safety conditions imposed by such wayleaves, permissions or permits.

PHS10. REPORTING OF INCIDENTS

All incidents shall be reported strictly in accordance with the requirements of the OH&S Act and the General Conditions of Contract.

PHS 11. MEASUREMENT AND PAYMENT

Separate payment items for the requirements in terms of the OH&S Act are provided for in the Bill of Quantities. The Contractor must allow for all necessary costs involved in complying with the OH&S Act (Act No. 85 of 1993) and in particular with its Construction Regulations under these items.

- 1) Fixed Charge Item for the preparation of risk assessments, safe work procedures, the project H&S File, the H&S plan, the provision of PPE and protective clothing, and any other H&S matters that the contractor deems necessary, for completing and checking the Project H&S File and handing over to the Client on completion of the works.

- 2) Time Related Item for updating and amending the risk assessments, safe work procedures, the project H&S File, the H&S plan, the provision of PPE and protective clothing and any other H&S matters that the contractor deems necessary and for full compliance with all H&S matters during the construction of the works under the contract.

PHS 12. HEALTH AND SAFETY PLAN

In compliance with the Construction Regulations the Contractor shall, after performing a risk assessment, prepare a health and safety plan to be submitted for the approval to the Employer.

The Health and Safety Plan shall include, but not be limited to, the following:

- a) The safety management structure including the names of all designated persons such as the construction supervisor and any other competent persons;
- b) Safety method statement and procedures to be adopted to ensure compliance with the OH&S Act.
Aspects to be dealt with shall include:
 - Public vehicular and pedestrian traffic accommodation measures;
 - Control of the movement of construction vehicles;
 - The storage and use of materials;
 - The use of tools, vehicles and plant;
 - Temporary support structures;
 - Dealing with working at height;
 - The use of batch plant;
 - Excavation work;
 - Demolition work;
 - Security, access control and the exclusion of unauthorised persons.
- c) The provision and use of temporary services.
- d) Compliance with wayleaves, permissions and permits.
- e) Safety equipment, devices and clothing to be employed.
- f) Emergency procedures;
- g) Provision of welfare facilities;
- h) Induction and training;
- i) Provision and maintenance of the health and safety file and or other documentation;
- j) Arrangements for monitoring and review to ensure compliance with the safety plan.

PHS 13. SAFETY AUDITS BY EMPLOYER

The Contractor shall permit the Employer to regularly audit, at an agreed interval, the implementation and maintenance of the approved Health and Safety Plan and shall co-operate and provide all the required documentation, as may be required, in this regard.

PHS 14. VARIATIONS

Should any variations be ordered or design amendments issued, the Employer's Agent shall inform the Contractor of all the associated potential hazards to ensure that the health and safety aspects of the work ordered are taken into account.

PHS 15. ITEMS REQUIRING PARTICULAR ATTENTION

PHS15.1 Traffic

Safe, normal traffic movement must be accommodated on the road during construction. Access to properties must be maintained at all times.

PHS15.2 Pedestrian Safety

The contractor's machine operators must be made aware of the dangers the plant poses to pedestrians. Special care must be taken when reversing or manoeuvring in confined spaces. Where deemed necessary, flagmen must be deployed with plant.

PHS15.3 Demolition Work

Where the Employer's Agent instructs the Contractor to demolish existing structures, the demolition work shall be carried out under the supervision of a competent person. The structural integrity of the structure must be checked to prevent premature collapse.

PHS15.4 Dust

Construction work will take place within the vicinity of residential dwellings. The contractor must limit dust nuisance by covering or wetting loose material which can be blown around by wind.

PHS15.5 Formwork and support work

All formwork and support work operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose.

PHS 16. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES WITH REGARD TO HAZARDOUS WORK OR ACTIVITIES

The following hazardous work or activities are identified in terms of the Construction Regulations and it is the duty of the Principal Contractor to ensure that the said work and activities are carried out in terms of the relevant sub-regulations of this Regulation or other applicable regulations.

Hazardous Work or Activity	Applicable Sub-Regulations of the Construction Regulations	Other Applicable Regulations
Excavation	11	Precautionary measures as stipulated for confined spaces under the general Safety Regulations published under Government Notice R1031 of 30 May 1986, as amended.
Construction vehicles	21	
Use and temporary storage of flammable liquids on construction sites	23	Applicable provisions as stipulated in the General Safety Regulations published under Government Notice R1031 of 30 May 1986, as amended.
Housekeeping on construction sites	25	Applicable provisions as stipulated in the General Safety Regulation published under Government Notice R1031 of 30 May 1986, as amended.
Stacking and storage on construction sites	26	Applicable provision as stipulated in the General Safety Regulation published under Government Notice R1031 of 30 May 1986, as amended.
Fire precaution on construction sites	27	Applicable provisions as stipulated in the Environmental Regulations for workplaces published under Government Notice R2281 of 16 October 1987, as amended.

PHS 17. RISK ASSESSMENTS

Risk assessments that are to be carried out for work to be executed under this contract may include but shall not be limited to the following:

- 1) Clearing & Grubbing of the Area/Site
- 2) Site Establishment including:

- Office/s
 - Secure/safe storage for materials, plant & equipment
 - Ablutions
 - Sheltered eating area
 - Maintenance workshop
 - Vehicle access to site
- 3) Dealing with existing structures
 - 4) Location of existing services
 - 5) Installation and maintenance of temporary construction electrical supply, lighting and equipment
 - 6) Adjacent land uses/surrounding property exposures
 - 7) Boundary and access control/Public Liability Exposures (NB: The Employer is also responsible for the OH&S of non-employees affected by his/her work activities).
 - 8) Health risks arising from neighbouring as well as own activities and from the environment e.g. threats by dogs, bees, snakes, lightning, etc.
 - 9) Exposure to noise
 - 10) Exposure to vibration
 - 11) Protection against dehydration and heat exhaustion
 - 12) Protection from wet and cold conditions
 - 13) Dealing with HIV/Aids and other diseases
 - 14) Use of Portable Electrical Equipment including
 - Angle grinder
 - Electrical drilling machine
 - Skill saw
 - 15) Excavations including
 - Ground/soil conditions
 - Trenching
 - Shoring
 - Drainage of trench
 - 16) Welding including
 - Arc Welding
 - Gas Welding
 - Flame cutting
 - Use of LP gas torches and appliances
 - 17) Loading & offloading of trucks
 - 18) Driving & operation of construction vehicles and mobile plant including
 - Trenching machine
 - Excavator
 - Roller
 - Plate compactor
 - Front end loader
 - Mobile cranes and the ancillary lifting tackle
 - Parking of vehicles & mobile plant
 - Towing of vehicles & mobile plant
 - 19) Use and storage of flammable liquids and other hazardous substances
 - 20) Layering and bedding
 - 21) Installation of pipes in trenches
 - 22) Pressure testing of pipelines
 - 23) Backfilling of trenches
 - 24) Protection against flooding
 - 25) Protection from overhead power lines
 - 26) As discovered by the Principal Contractor's hazard identification exercise
 - 27) As discovered from any inspections and audits conducted by the Client or by the Principal Contractor or any other Contractor on site.
 - 28) As discovered from any accident/incident investigation.

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION FORM 1 –NOTIFICATION OF CONSTRUCTION WORK

1.1 Details of Principal Contractor

Name:

Postal Address:

.....

.....

Tel No. Fax No:

Contractor's contact person

Compensation registration number:

1.2 Details of Employer

Name

Postal address

.....

Tel No. Fax No:

Client's contact person:

1.3 Details of Employer's Agent

Name

Postal address

.....

Tel No. Fax No:

Contact person:

1.4 Details of Project

Name and telephone number of the site contract person

Physical address of the construction site or site office

Nature of the construction work: Expected commencement date

Expected completion date

Estimated maximum number of persons on the construction site

Planned number of subcontractors on the construction site

Principal Contractor: Client:

Date: Date:

THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR PRIOR TO COMMENCEMENT OF WORK ON SITE

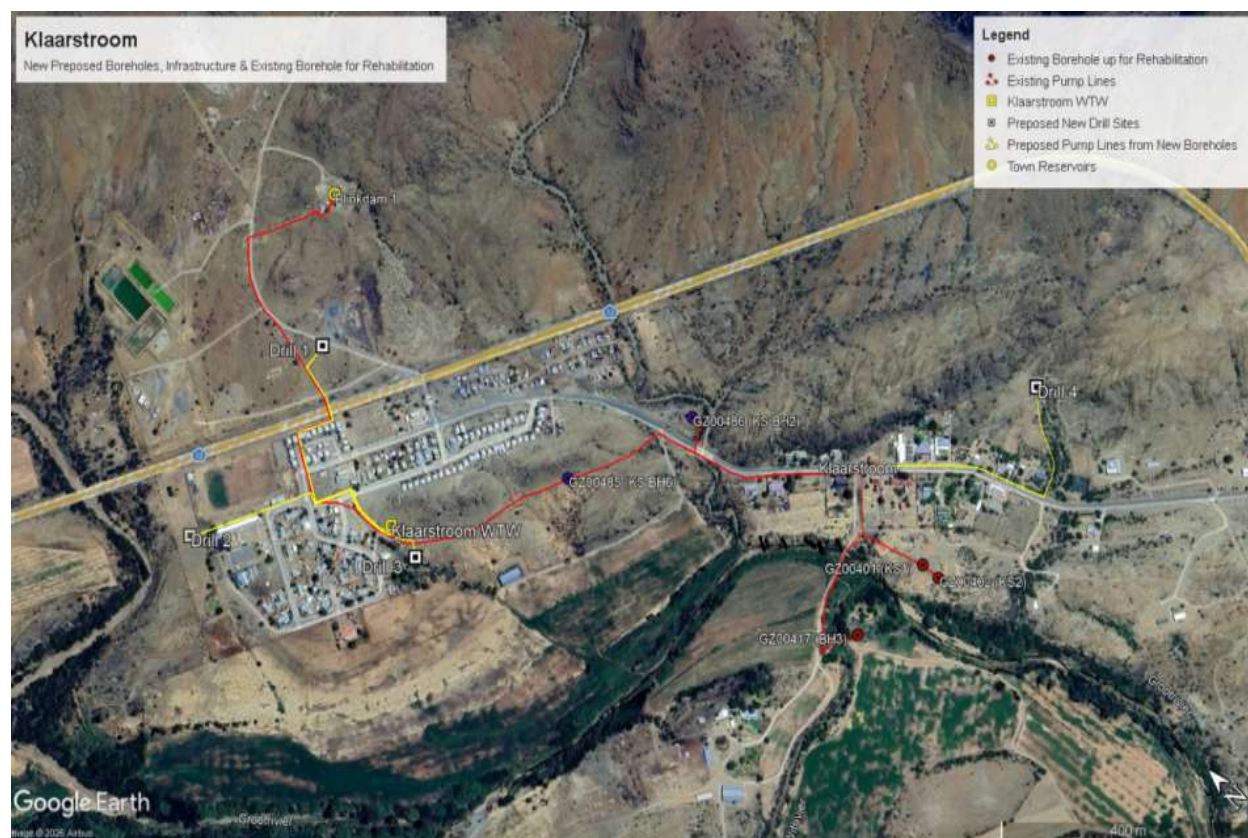
Part C4: Site Information

C4.1 Location of the Site and Access

C4.1.1 SITE AND ACCESS

The specific drill sites prove to be accessible, the onerous remains on the contractor to make a genuine attempt to reach the site in the presence of the Employer's representative.

Locality Plan



C4.1.2 NATURE OF SITE, GROUND AND SUB-SOIL CONDITIONS

The existing geological information is available and may be purchased from the Council for GeoScience. Existing geohydrological information may be accessed through the Directorate of Geohydrology at the Department of Water & Sanitation (DWS) - "Geohydrological Maps Series of South Africa – 1998".

C4.2 Tender Drawings

C4.2.1: Layout Drawings - B1: Typical borehole construction detail for competent consolidated rock formation

