

TENDER

**WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING
AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA**

SCMU5-23/24-0085

NAME OF COMPANY:

CSD Nr:

CRS Nr (CIDB):

CLOSING DATE: 26 October 2023

TIME: 11:00 am

<p>Department of Public Works and Infrastructure Independence Avenue Qhasana Building Bhisho 5605</p>

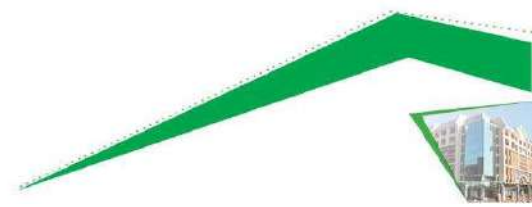
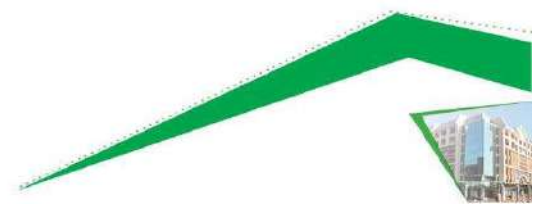
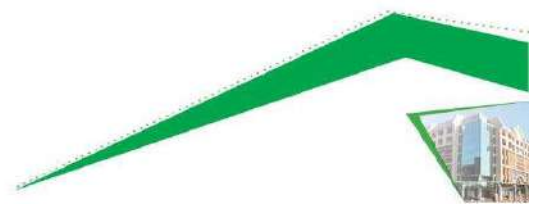


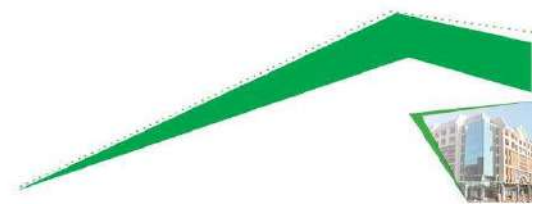
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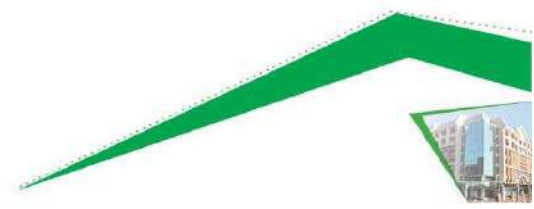




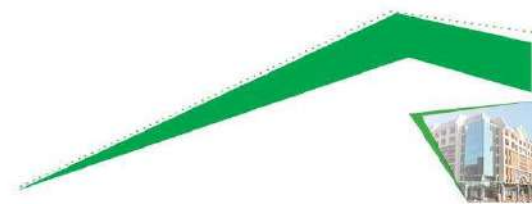
THE TENDER



PART T1: TENDERING PROCEDURES



PART T1.1: TENDER NOTICE AND INVITATION TO TENDER



T1.1 Tender Notice and Invitation to Tender

The Eastern Cape Department of Public Works and Infrastructure invites contractors with a CIDB Grading of 4CE or higher in the following Class of works (CE) to tender for the “**WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA**” for a six-month contract. The contract will be based on the General Conditions of Contract third Edition of 2015 and the Eastern Cape Public Works and Infrastructure will enter a contract with the successful tenderer.

Only tenderers who have suitable experience and suitably qualified personnel in providing similar services to those that are required are eligible to submit tenders.

Bid documents are downloadable free of charge from Department of Public Works and Infrastructure website (www.ecdpw.gov.za/tenders) or from National Treasury’s tender portal (<http://www.etender.gov.za/content/advertised-tenders>). Bid documents will be available on **22 September 2023**. No bid documents will be available at departmental offices.

There will be **Non-Compulsory** briefing meeting on **05 October 2023**, at **EDFORD ORTHOPEDIC HOSPITAL, MTHATHA**. Prospective bidders to meet **at the main entrance of the site at 13h00**.

Queries relating to the issue of these documents may be addressed in writing to SCM email: supply.chain@ecdpw.gov.za **Technical enquiries:** may be addressed in writing to **Mr M. Ngamlana**—email: Mkanyiseli.Ngamlalana@ecdpw.gov.za.

The closing time for receipt of tenders by the ECDPWI is **11:00am** on **26 October 2023**. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted. Bids must be submitted in sealed envelopes clearly marked “**DRILLING AND EQUIPPING OF BOREHOLES AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA**” must be deposited in the bid box, **DEPARTMENT OF PUBLIC WORKS, FRONT CORNER OF QHASANA BUILDING ON THE WAY TO CIDB OFFICES LABELLED “TENDERS”, BISHO**.

It is the responsibility of the tenderer/s to ensure that bid documents /proposals are submitted on or before closing time and the correct location as the department will not take responsibility of wrong delivery. Tenderers using courier services for delivery of their bid documents must ensure the delivery is at the correct place / location and time as the department will not be held responsible for wrong delivery. Not delivered to Departmental officials. The Department will not accept responsibility if bids received by officials are not timely deposited in the Bid Box.

Tenders may only be submitted on the tender documentation that is issued. Tenderers must be registered on the National Treasury Central Supplier Data Base and proof of registration must be submitted with the proposal (<https://secure.csd.gov.za>). Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

B. BID EVALUATION:

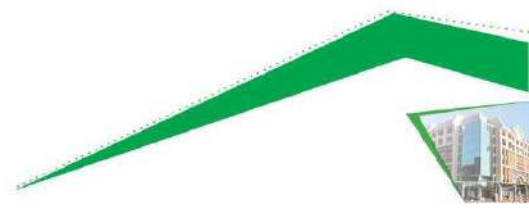
This bid will be evaluated in Two (2) phases as follows:

Phase One: Compliance, responsiveness to the bid rules and conditions, thereafter they will be evaluated on PPPFA.

Phase Two: Bidders passing all stages above will thereafter be evaluated on PPPFA.

PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA) POINTS WILL BE AWARDED AS FOLLOWS:

Maximum points on price	-	80 points
Maximum points for Specific goals	-	20 points
Maximum points	-	100 points



C. BID SPECIFICATIONS, CONDITIONS AND RULES

The minimum specifications, other bid conditions and rules are detailed in the bid document under Tender Data

The Department of Public Works and Infrastructure SCM policy applies.

Tender validity period is **120 days**.

D. TENDER SUBMISSIONS:

Bids must be submitted in sealed envelopes clearly “**DRILLING AND EQUIPPING OF BOREHOLES AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA**” must be deposited in the bid box, **DEPARTMENT OF PUBLIC WORKS, FRONT CORNER OF QHASANA BUILDING ON THE WAY TO CIDB OFFICES LABELLED “TENDERS”, BISHO.**

E. ENQUIRIES WITH REGARD TO THIS ADVERT MAY BE DIRECTED TO:

- **SCM RELATED ENQUIRIES**

Email Address: supply.chain@ecdpcw.gov.za

TECHNICAL ENQUIRIES

Mr. M. Ngamlana

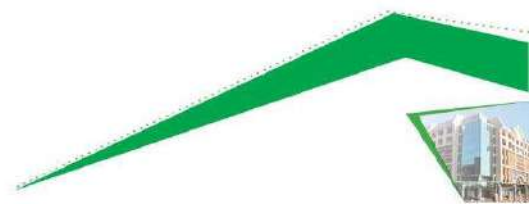
Tel No: **040 402 4014**

Cell No: **071 294 6702**

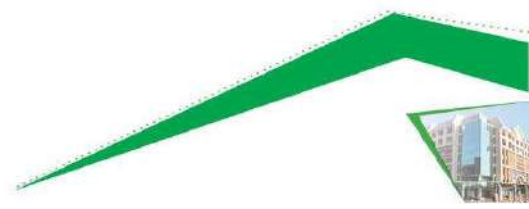
Email Address: Mkanyiseli.Ngamlana@ecdpcw.gov.za

FOR COMPLAINTS, FRAUD, & TENDER ABUSE:

Call: **0800 701 701**



PART T1.2: TENDER DATA



T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3, *Standard conditions of tender*.

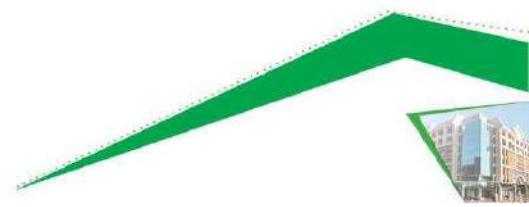
SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender.

The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3 *and* as contained in **Annexure C of Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**.

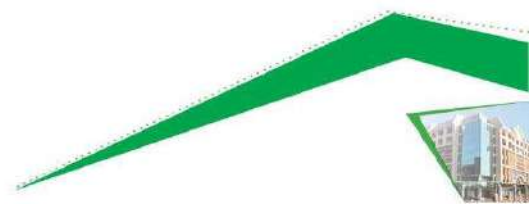
Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.



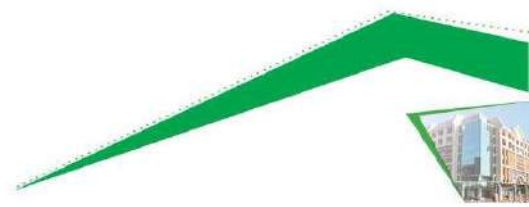
Clause number	Tender Data
3.1	The Employer is Public Works and Infrastructure
3.2	<p>The tender documents issued by the employer comprise the following documents:</p> <p>THE TENDER</p> <p>PART T1: TENDERING PROCEDURES T1.1 - Tender notice and invitation to tender T1.2 - Tender data</p> <p>PART T2: RETURNABLE DOCUMENTS T2.1 - List of returnable documents</p> <p>THE CONTRACT</p> <p>PART C1: AGREEMENTS AND CONTRACT DATA C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Performance Guarantee (Proforma) C1.4 - Agreements in terms of the Occupational Health & Safety Act, 1993 (Act No. 75 of 1993) C1.5 - Dispute Resolution Mechanism</p> <p>PART C2: PRICING DATA C2.1 - Pricing Instructions C2.2 - Bills of Quantities</p> <p>PART C3: SCOPE OF WORKS C3.1 - Description of the Works C3.2 - Engineering Specifications C3.3 - Construction Specifications</p> <p>PART C4: SITE INFORMATION C4.1 - General C4.2 - Project Location</p> <p>PART C5: ANNEXURES Annexure 1 - Geohydrological Investigation Report Annexure 2 - List of Drawings Annexure 3 - Construction Health & Safety Specification Annexure 4 - EPWP Specification</p>
3.3	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	<p>The employer's agent is:</p> <p>Name: Mr. H. Fuyana FMA ENGINEERS (Pty) Ltd 795 Main Street, Mount Frere Tel No: 031 764 2763 (Head Office) Email Address: FuyanaH@fmaengineers.co.za</p>
3.5	The language for communications is English
3.6	The competitive negotiation procedure shall be applied.
3.7	Method 2: Two (2) stage procurement procedure shall be applied.
4	Tender's obligations



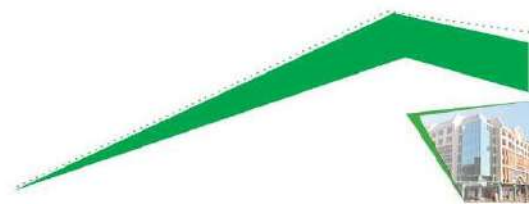
4.1	<p>The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated:</p> <p>a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations, for a CIDB Grade 4CE or higher class of construction work; and</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> 1. Every member of the joint venture is registered with the CIDB. 2. the lead partner has a contractor grading designation in the grade 4CE class of construction work. 3. 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 a CIDB Grade 4CE or higher class of construction work or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations. 4. Joint Venture Agreement.
4.2	<p>The employer will not compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.</p>
4.3	<p>It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.</p>
4.4	<p>Confidentiality and copyright of documents Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.</p>
4.5	<p>Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.</p>
4.6	<p>Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, to take the addenda into account.</p>
4.7	<p>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. Tender documents will not be made available at the clarification meeting</p>
4.8	<p>Seek clarification <i>Request clarification of the tender documents, if necessary, by notifying the employer at least 5 (Five) working days before the closing time stated in the tender data.</i></p>
4.9	<p>Tenderers are required to state the rates and currencies in Rands.</p> <p>Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.</p> <p>State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data.</p>



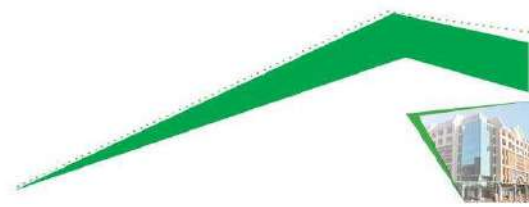
4.10	Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations. Do not make erasures using masking fluid.
4.11	Main tender offers are not required to be submitted together with alternative tenders.
4.12	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original. Submit a) the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with a translation of any documentation in a language other than the language of communication established in 3.5, and b) The parts communicated electronically by the employer or its agents on paper format with the tender.
4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. State in the case of a joint venture which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.3	A tender security in the amount of N/A is required and shall remain valid for a period not exceeding N/A days after the closing date for tender offers. The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.
4.13.4	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: DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE, FRONT CORNER OF QHASANA BUILDING ON THE WAY TO CIDB OFFICES LABELLED "TENDERS", BISHO. Physical address: Independence Avenue, Ground Floor, Qhasana Building, BHISHO 5605 Identification details: "SCMU5-23/24-0085: WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA" Closing time and date: 26 October 2023 at 11:00
4.13.5	The tenderer is required to submit with his tender the following certificates: 1) A copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order the South African Revenue Services. <i>In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD report showing, amongst other things, that tax matters of the service provider are in order the South African Revenue Services.</i> 2) CIDB Grading certificate or CRS number.
4.13.6	A two-envelope procedure will not be required.
4.13.7	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted. The tenderer accepts that the employer does not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
4.14	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Proof of posting shall not be accepted as proof of delivery. Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of the standard conditions of tender in this part of SANS 10845 apply equally to the extended deadline.
4.15.1	The tender offer validity period is 120 days . Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data. If requested by the employer,



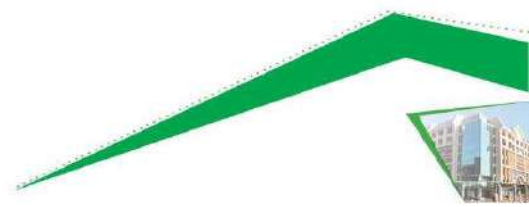
	consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension. Extend the period of the tender security, if any, to cover any agreed extension requested by the employer.
4.15.2	<p>Placing of contractors under restrictions / withdrawal of tenders</p> <p>If any tenderer who has submitted a tender offer or a contractor who has concluded a contract has, as relevant: withdrawn such tender or quotation after the advertised closing date and time for the receipt of submissions; after having been notified of the acceptance of his tender, failed or refused to commence the contract; had their contract terminated for reasons within their control without reasonable cause; offered, promised or given a bribe in relation to the obtaining or the execution of such contract; acted in a fraudulent, collusive or anti-competitive or improper manner or in bad faith towards the Provincial Government; or, made any incorrect statement in any affidavit or declaration with regard to a preference claimed and is unable to prove to the satisfaction of the Provincial Government that the statement was made in good faith or reasonable steps were taken to confirm the correctness of the statements, such tenderer/s may be placed under restriction from tendering with the state.</p> <p>Procedures are outlined in the EC SCM Policy for Infrastructure procurement and Delivery Management and on CIDB Inform Practice Note #30. Excerpts of the policy can be availed on request of any interested tenderer.</p>
4.16	Access shall be provided for the following inspections, tests, and analysis: N/A
4.17	the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard as per DPW policy
5	Employer's undertakings
5.1	The Employer will respond to requests for clarification received up to Seven (7) working days before the tender closing time. If, as a result of the issuing of addenda, it is necessary to extend the closing time stated in the tender data, grant such extension and notify all respondents accordingly.
5.2	The employer shall issue addenda until Seven (7) working days before tender closing time.
5.3	Tenders will be opened immediately after the closing time for tenders at 11:00am hours .
5.4	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price, and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.
5.5	<p>Determine, after opening and before detailed evaluation, whether each tender offer that was properly received</p> <ul style="list-style-type: none"> a) complies with the requirements of the standard conditions of tender in this part of SANS 10845, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents. <p>A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would</p> <ul style="list-style-type: none"> d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work, e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or f) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. <p>Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>
5.6	<p>Arithmetical errors, omission and discrepancies</p> <p>Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.</p>



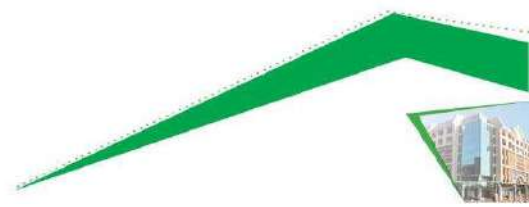
	For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.																
5.7.1	<p>The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule.</p> <p>Table F.1: Formulae for calculating the value of A</p> <table border="1"> <thead> <tr> <th>Formula</th> <th>Comparison aimed at achieving</th> <th>Option 1^a</th> <th>Option 2^a</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Highest price or discount</td> <td>$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$</td> <td>$A = P / P_m$</td> </tr> <tr> <td>2</td> <td>Lowest price or percentage commission / fee</td> <td>$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$</td> <td>$A = P_m / P$</td> </tr> <tr> <td>a</td> <td colspan="3"> P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration. </td> </tr> </tbody> </table>	Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a	1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$	2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$	a	P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.		
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a	P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.																
5.7.2	<p>The procedure for the evaluation of responsive tenders is Method 2: Administrative, Price and Preference</p> <p>Phase 1: Administrative requirements and Mandatory requirements</p> <p>Phase 2: Price and preference (80/20 system)</p>																
	<p>1. <u>PHASE ONE: RESPONSIVENESS TO THE BID REQUIREMENTS AND RULES</u></p> <p>A. Bidders' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration:</p> <ol style="list-style-type: none"> 1. Bid Document (This Document must be submitted in its original format) 2. Bids which are late, incomplete, unsigned, or submitted by facsimile or electronically, will not be accepted. 3. Bidder must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements. The status on CIDB must be active. It is the responsibility of the bidder to keep the status on CIDB active throughout bidding process (advert till award stage). 4. Bidders must be a legal entity or partnership or consortia. 5. Bidders must be a legal entity or partnership or consortia. 6. Form of offer and Acceptance (fully completed and signed). 7. SBD 4- Declaration of Interest (fully completed and signed). SBD4 must be duly completed and signed. Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract, such interest must be disclosed on question 2.3.1. 8. Incomplete or unsigned or poorly completed forms SBD 4 will lead to a bidder being declared non-responsive. 9. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit). 10. If the offer is "Vat Inclusive", the VAT registration number of service provider must be indicated and if a service provider is not a VAT Vendor but include VAT in its prices, the successful service provider will be given 21 days to register as a VAT Vendor with SARS, after the issuing of an appointment letter. If a bidder is a VAT vendor/registered, the bidder is required to explicitly state the VAT amount. VAT vendors must include VAT at 15% in the bid offer(s). 11. If the Bid Sum (amount in words) differ from the Bid Sum (amount in figures), the Bid Sum (amount in words) will govern. 12. Resolution to Sign (if applicable). 																



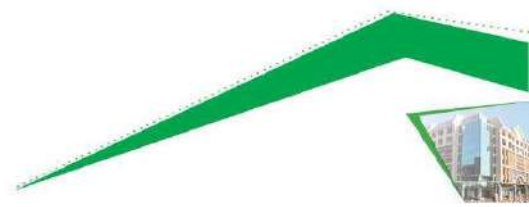
	<p>B. Other Conditions of bid (Non eliminating unless expressly mentioned in the document):</p> <ol style="list-style-type: none"> 1. The bidder must be registered on the Central Supplier Database (CSD) prior the award 2. All bidders' tax matters must be in order prior award. Bidders' tax matters will be verified through CSD. In cases where bidder's status found non-compliant the bidder will be granted 7 days to correct status. A bidder that fails to rectify its tax matters with SARS will declared non-responsive. 3. The bidder has duly completed and signed the SBD 1, and SBD 6.1. 4. Bidders need to complete and sign SBD 6.1 to claim points for specific goals. Failure will lead in non-awarding of points for specific goals. 5. Bidders must submit a minimum of three (3) written contactable references for projects successfully completed in the past (clearly indicating client name, contract value, contract term, contact person, contact details). Refer to Annexure I and Annexure M. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points. 6. Bidders must submit a list of projects where he or she has submitted tender offers but tender results have not been confirmed by the client. Refer to Annexure L. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points. 7. Bidders must submit their company profiles, list of available resources, plant and machinery and any other additional capacity with the bid. Refer to Annexure K and H. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points. 8. The bidder must also list all projects where there are pending litigations or litigations have been concluded. The form for this is also attached after Annexure J. 9. The Department will contract with the successful bidder by signing a formal contract. 10. This tender will be awarded as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances which also need to be added to the total), failure to do so will increase commercial risk of the bid and may lead to elimination or passing over of the bidder. 11. Wherever a brand name is specified in this document (i.e., specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better. 12. DPWI Policy applies. 13. Protection of personal information: Consent (POPIA). 14. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties. 15. EPWP policy will be applicable. 								
	<ol style="list-style-type: none"> 1. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties (e.g. NEC 3 Term Service Contract (TSC)) 								
	<p>2. PHASE TWO: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS/PPPFA OF 2022</p> <p>The 80/20 preference point system shall be applied for the purposes of this bid as per the requirements of the <i>Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000) and Specific goals/ PPPFA Regulations of 2022.</i></p> <table border="1" data-bbox="479 1705 1323 1843"> <thead> <tr> <th>Criteria</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>POINTS ON PRICE</td> <td>80</td> </tr> <tr> <td>SPECIFIC GOALS</td> <td>20</td> </tr> <tr> <td>TOTAL</td> <td>100</td> </tr> </tbody> </table>	Criteria	Points	POINTS ON PRICE	80	SPECIFIC GOALS	20	TOTAL	100
Criteria	Points								
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TOTAL	100								



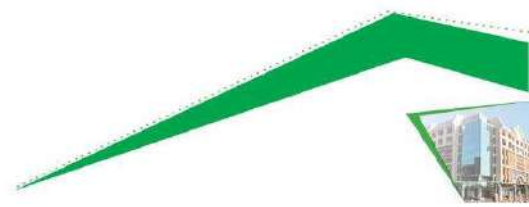
	<p>Please note:</p> <ol style="list-style-type: none"> 1. Bidders need to complete and sign SBD 6.1 to claim points for specific goals. Failure will lead in non-awarding of points for specific goals. 2. The Department intends to award this to the highest point scorer as whole, unless circumstances justify otherwise. 3. All information will be verified through CSD. 4. SBD 6.1 is attached. <p>The 80/20 preference point system for acquisition of services, works or goods NOT exceeding Rand value of R50 million:</p> <p>(a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included):</p> <p>The financial offer will be scored using the following formula:</p> $A = (1 - \frac{P - P_m}{P_m})$ <p>The value of value of W_1 is:</p> <ol style="list-style-type: none"> 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 50 000 000.
5.7.3	The procedure for the evaluation of responsive tenders is Method 2 (Administrative, price and preference)
5.7.4	The quality criteria and maximum score in respect of each of the criteria are as follows: N/A
5.7.5	Each evaluation criteria will be assessed in terms of five indicators – N/A
5.7.6	The prompts for judgment and the associated scores used in the evaluation of quality shall be as follows: N/A
5.8	<p>Tender offers will only be accepted if:</p> <ol style="list-style-type: none"> 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. Bidders must submit a CSD no. or tax status compliance pin. c) the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard as per DPW policy. d) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation. 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: <ol style="list-style-type: none"> 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. 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.



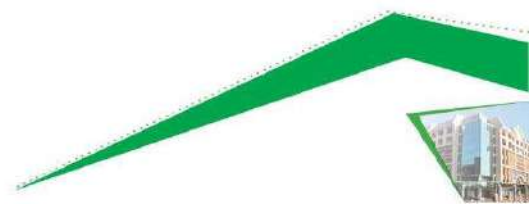
	<p>h) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer’s ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract;</p> <p>i) Bids which are late, incomplete, unsigned or submitted by facsimile or electronically will not be accepted.</p> <p>j) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer;</p> <p>k) The tenderer undertakes to maximize the sourcing of building material or infrastructure input material from Eastern Cape based suppliers or manufacturers.</p> <p>l) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely.</p> <p>m) The tender has offered a market related offer. If the offer is believed not to be market related, the department through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process.</p> <p>n) A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid.</p> <p>o) Prospective bidders must register on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated.</p> <p>p) NOTE: The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder’s tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer.</p> <p>q) The department reserves the right not to award the bid to the most favourable tenderer, if any of the situations occur: if it is not assisting in the advancement of designated groups; risk profile of the favourable firm is too high; the bidder has been awarded a considerable number of projects by the department or provincial government; has performed unsatisfactorily in the past, etc.</p> <p>r) Contractor must have a CIBD grading of 4CE OR HIGHER.</p>
5.9	The number of paper copies of the signed contract to be provided by the employer is 1.
	<p>The additional conditions of tender are:</p> <ul style="list-style-type: none"> Wherever a brand name is specified in this document (i.e., specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
T.2.1	List of returnable documents
1	<p>Documentation to demonstrate eligibility to have tenders evaluated i.e., List all documentation to demonstrate eligibility to have a submission evaluated.</p> <ul style="list-style-type: none"> Appropriate CIDB grading suitable for the works (as stated in 4.1).



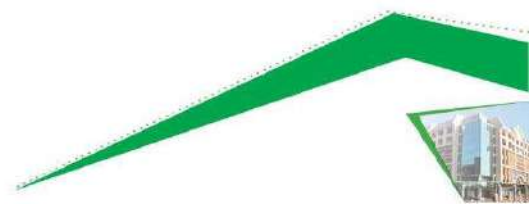
2	<p>Returnable Schedules required for tender evaluation purposes The tenderer must fully and appropriately complete and sign the following returnable schedules as relevant:</p> <ul style="list-style-type: none"> • Record of Addenda to Tender Documents • Proposed amendments and qualifications • Compulsory Enterprise Questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted). • SBD 1, 4, 6.1 • Protection of personal content: Consent • Form of Offer and Acceptance • Complete priced Bills of Quantities, including Final Summary • Certificate of Authority for Joint Ventures
3	<p>Other documents required for tender evaluation purposes The tenderer must provide the following returnable documents:</p> <ul style="list-style-type: none"> • A CSD Report for a contractor with valid and correct information. • A letter of good standing from the Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 (Act No. 130 of 1993)
4	<p>Returnable Schedules that will be used for tender evaluation purposes and be incorporated into the contract The tenderer must complete the following returnable documents:</p> <ul style="list-style-type: none"> • A duly completed form of Offer and Acceptance (and any revision of prices if there are any).
5	<p>Only authorized signatories may sign the original and all copies of the tender offer where required.</p> <ul style="list-style-type: none"> • In the case of a ONE-PERSON CONCERN submitting a tender, this shall be clearly stated. • In the case of a COMPANY submitting a tender, include a copy of a resolution by its board of directors authorizing a director or other official of the company to sign the documents on behalf of the company. • In the case of a CLOSE CORPORATION submitting a tender, include a copy of a resolution by its members authorizing a member or other official of the corporation to sign the documents on each member's behalf. • In the case of a PARTNERSHIP submitting a tender, all the partners shall sign the documents, unless one partner or a group of partners has been authorized to sign on behalf of each partner, in which case proof of such authorization shall be included in the Tender. • In the case of a JOINT VENTURE/CONSORTIUM submitting a tender, include a resolution of each company of the joint venture together with a resolution by its members authorizing a member of the joint venture to sign the documents on behalf of the joint venture. • Accept that failure to submit proof of authorization to sign the tender shall result in the tender offer being regarded as non-responsive.
6	<p>Information and data to be completed in all respects Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as nonresponsive.</p>
7	<p>Canvassing and obtaining of additional information by tenderers The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.</p>
8	<p>Prohibitions on awards to persons in service of the state The Employer is prohibited to award a tender to a person -</p>



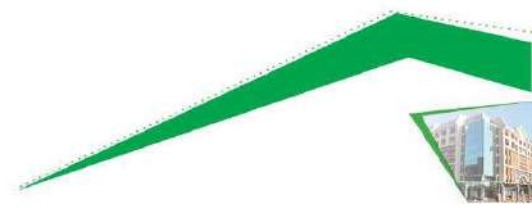
	<p>a) who is in the service of the state; or b) if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or c) a person who is an advisor or consultant contracted with the Department or municipal entity.</p> <p>In the service of the state means to be -</p> <p>a) a member of:- <i>a</i> any municipal council; <i>b</i> any provincial legislature; or <i>c</i> the National Assembly or the National Council of Provinces;</p> <p>d) a member of the board of directors of any municipal entity; e) an official of any Department or municipal entity; f) an employee of any national or provincial department; g) provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); h) a member of the accounting authority of any national or provincial public entity; or i) an employee of Parliament or a provincial legislature.</p> <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.</p>
9	<p>Awards to close family members of persons in the service of the state</p> <p>Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child, or parent of a person in the service of the state (defined in clause 8 above), or has been in the service of the state in the previous twelve months, including -</p> <p>a) the name of that person; b) the capacity in which that person is in the service of the state; and c) the amount of the award.</p> <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.</p>
10	<p>Respond to requests from the tenderer The employer will respond to requests for clarification up to 7 (seven) working days before the tender closing time.</p>
11	<p>Opening of tender submissions Tenders will be opened immediately after the closing time for tenders</p>
12	<p>Scoring quality / functionality: N/A</p>
13	<p>Cancellation and re-invitation of tenders</p> <p>An organ of state may, prior to the award of the tender, cancel the tender if-</p> <p>(a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or (b) funds are no longer available to cover the total envisaged expenditure; or (c) no acceptable tenders are received.</p>



	<p>(d) Tender validity period has expired. (e) Gross irregularities in the tender processes and/or tender documents. (f) No market related offer received (after attempts of negotiation processes)</p> <p>Where applicable, the decision to cancel the tender will be published in the CIDB website and in the Tender Bulletin or the media in which the original tender invitation as advertised.</p>
14	Dispute resolution mechanism will be done through the Adjudication route.
15	The department must when be acting against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14: The remedies provided for in Preferential Procurement Regulations 2017 do not prevent an institution from instituting remedies arising from any other prescripts or contract.
16	Where the employer terminates the contract due to default of the contractor in whole or in part, the employer may decide to: a) Refer the breach in contract to the CIDB for investigation as a breach of the CIDB Code of Conduct in terms of the CIDB Regulations ; or b) may impose a restriction penalty on the contractor in terms of Section 14 of the Preferential Procurement Regulations. The outcomes of such investigations in terms of both the CIDB Regulations and the Preferential Procurement Regulations may prohibit the contractor from doing business with the public sector for a period not exceeding 10 years.



PART T2: RETURNABLE DOCUMENTS



T2.1 List of Returnable Documents

The tenderer must complete the following returnable documents:

1 Returnable Schedules required for quotation evaluation purposes

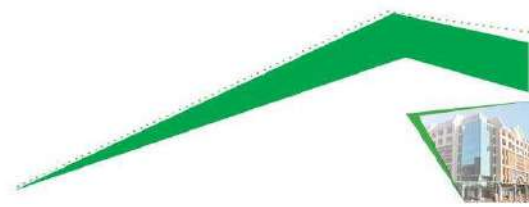
- Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).
- Record of addenda issued (Only if addenda is issued)
- Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture)

2 Other documents required for quotation evaluation purposes

- Form of Offer and Acceptance
- Complete Priced Bills of Quantities & Final Summary

3 Returnable Schedules that will be incorporated into the contract

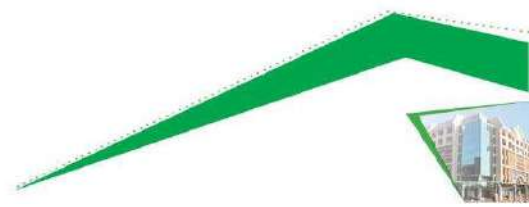
- Details of the Project Team and CV with Qualifications & Proof of Registration completed for each individual of proposed
- Schedule of Plant and Equipment
- Record of projects: current, past and on tender.
- Project References – at least 3
- SBD 1, 4, 6.1
- Protection of personal content: Consent



SBD 1 - INVITATION TO BID

PART A

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE						
BID NUMBER:	SCMU5-23/24-0085		CLOSING DATE:	26 October 2023	CLOSING TIME:	11:00
DESCRIPTION:	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT						
DEPARTMENT OF PUBLIC WORKS, FRONT CORNER OF QHASANA BUILDING ON THE WAY TO CIDB OFFICES LABELLED "TENDERS", BHISHO.						
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:			
CONTACT PERSON			CONTACT PERSON	Mkanyiseli Ngamlana		
TELEPHONE NUMBER			TELEPHONE NUMBER	040 602 4014		
FACSIMILE NUMBER			FACSIMILE NUMBER			
E-MAIL ADDRESS	supply.chain@ecdpw.gov.za		E-MAIL ADDRESS	Mkanyiseli.Ngamlana@ecdpw.gov.za		
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						
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]						
(a) ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, COMPLETE QUESTIONNAIRE BELOW]		
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS						
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> YES <input type="checkbox"/> NO			
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO			
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO			
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO			
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> YES <input type="checkbox"/> 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 BELOW.						



PART B
TERMS AND CONDITIONS FOR BIDDING

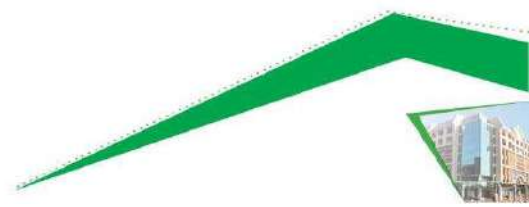
1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED – (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
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 VERIFY THE TAXPAYER’S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”

NAME OF BIDDER REPRESENTATIVE

SIGNATURE:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g., company resolution)

DATE:



COMPULSORY ENTERPRISE QUESTIONNAIRE

A

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

** Complete only if sole proprietor or partnership and attach separate page if more than 3 partners*

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number Tax reference number

Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.

Section 7: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.

The undersigned, who warrants that he / she is duly authorized to do so on behalf of the enterprise:

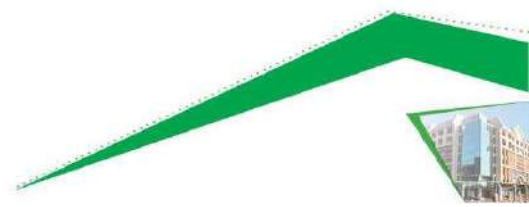
- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004; iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

NAME OF BIDDER REPRESENTATIVE

SIGNATURE:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g., company resolution)

DATE:



SBD4 – DECLARATION OF INTEREST

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder’s declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

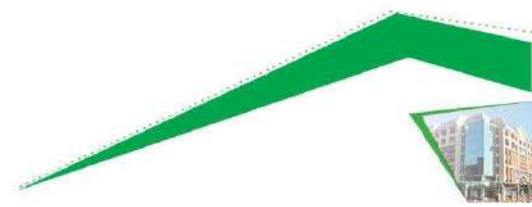
2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:
.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:
.....
.....

¹ *the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.*



3 DECLARATION

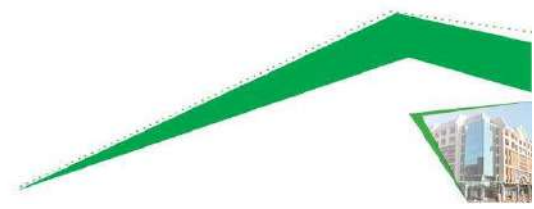
I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 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 consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5 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.
- 3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.7 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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

² **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.**

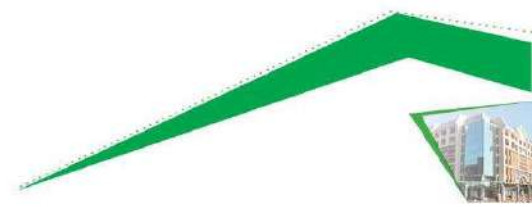


.....
Signature

.....
Date

.....
Position

.....
Name of bidder



SBD 6.1 - PREFERENTIAL PROCUREMENT REGULATIONS 2022 CLAIM FORM

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

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.

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

1. 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 To be completed by the organ of state

- a) The applicable preference point system for this tender is the **80/20** preference point system.
- b) The lowest acceptable tender will be used to determine the accurate system once tenders are received.

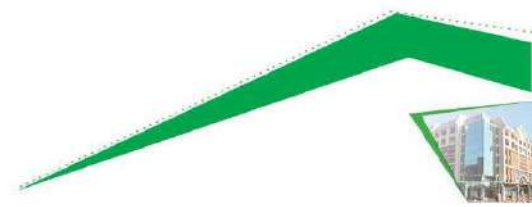
1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
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

- (a) **“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;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“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; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULA 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:

80/20	or	90/10
$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$	or	$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$

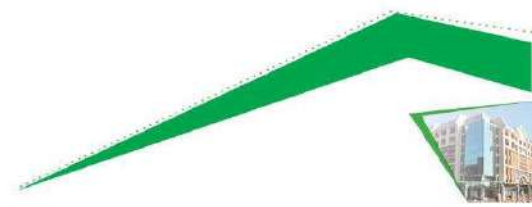
Where

P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{min} = Price of lowest acceptable tender

3.2. FORMULA FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:



$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \quad \text{80/20} \quad \text{or} \quad P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \quad \text{90/10}$$

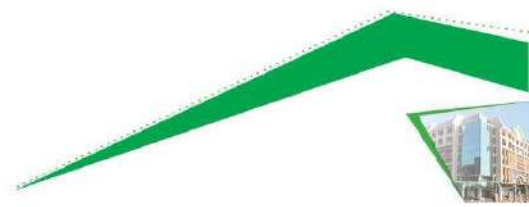
Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, 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.

Table 1: Specific goals for the tender and points claimed are indicated per the table below. (Note to organs of state: 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.)



The specific goals allocated points in terms of this tender		Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically Disadvantaged Individual:-			
(a)	100% black ownership	6	
(b)	51% to 99% black ownership	4	
(c)	Less than 51% black ownership	0	
Black women ownership:-			
(a)	100% black women ownership	4	
(b)	30% to 99% black women ownership	2	
(c)	Less than 30% black women ownership	0	
Black youth ownership:-			
(a)	100% black youth ownership	4	
(b)	30% to 99% black youth ownership	2	
(c)	Less than 30% black youth ownership	0	
People with disability:-			
(a)	20% or more disabled people ownership	4	
(b)	Less than 20% disabled people ownership	0	
Locality:-			
(a)	Within the Eastern Cape	2	
(b)	Outside the Eastern Cape	0	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

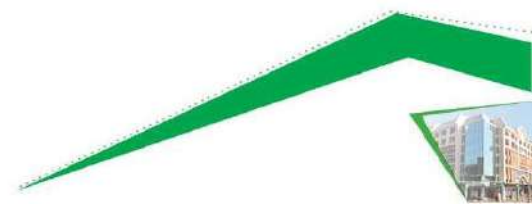
4.5. TYPE OF COMPANY/ FIRM

- 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]

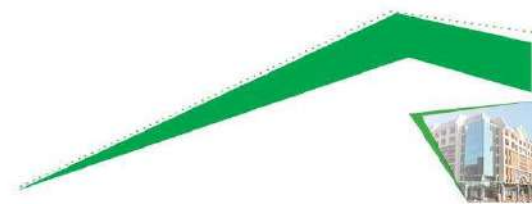
4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- 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;



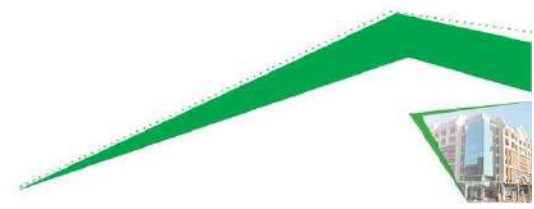
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
- (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages 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 TENDERER(S)
SURNAME AND NAME:
DATE:
ADDRESS:



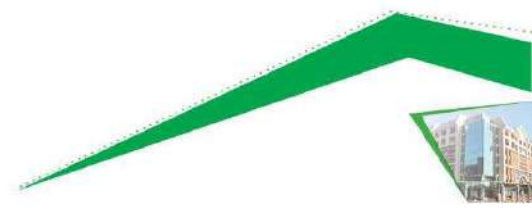
**PROOF OF REGISTRATION ON THE NATIONAL TREASURY CENTRAL SUPPLIER
DATABASE (CSD REPORT)**

(ATTACH HERE)



VALID CIDB CERTIFICATE OF A TENDERER

(ATTACH HERE)



PROTECTION OF PERSONAL INFORMATION: CONSENT (POPIA)

The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion.

As part of its business activities, the Department of Public Works and Infrastructure obtains and requires access to personal data from a wide range of internal and external parties, including without limitation bidders who respond to requests for proposals that are published by the Department of Public Works and Infrastructure from time to time. The Department of Public Works and Infrastructure confirms that it shall process the information disclosed by Bidders for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

The Department of Public Works and Infrastructure hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Not unless directed to do so by an order of court, the Department of Public Works and Infrastructure does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and be seized with information of a personal nature pertaining to the Department of Public Works and Infrastructure. Some of the information may because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the Department of Public Works and Infrastructure requires that Bidders which receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The Department of Public Works and Infrastructure and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce, and implement all reasonable measures ensure the protection of all personal information from unauthorized access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
 - f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.



2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organization.
3. Bidder's Obligations
 - a) The Bidder is required to notify the Information Officer of Department of Public Works and Infrastructure, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorized access or unlawful use of any of the Department of Public Works and Infrastructure's personal information.
 - b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
 - c) The Bidder shall be required to provide the Department of Public Works and Infrastructure with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
 - d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of Department of Public Works and Infrastructure.

On behalf of the Bidder:

.....
Signature

.....
Date

.....
Position

.....
Name of the Bidder

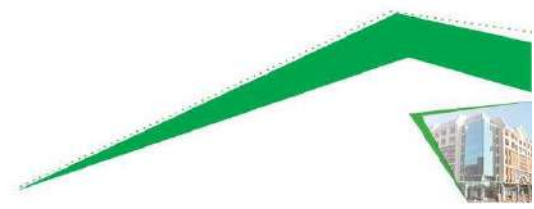
On behalf of the Client:

.....
Signature

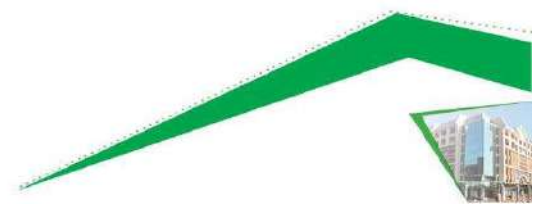
.....
Date

.....
Position

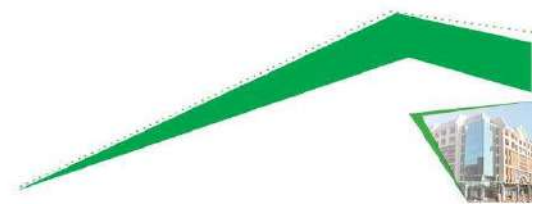
.....
Name of Client Representative



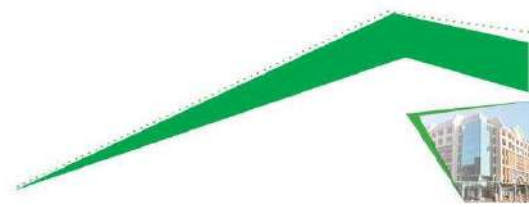
THE CONTRACT



PART C1: AGREEMENTS AND CONTRACT DATA



C1.1: FORM OF OFFER AND ACCEPTANCE



Annex C
(normative)

FORM OF OFFER AND ACCEPTANCE

Project title	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
SCMU number	SCMU5-23/24-0085

OFFER

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

.....
The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, 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 VALUE ADDED TAX IS

..... Rand (in words) ;
R(in figures) (or other suitable wording)

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 to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature

.....
Name

.....
Capacity

.....
for the tenderer

.....
(Name and address of organization)

Name and signature

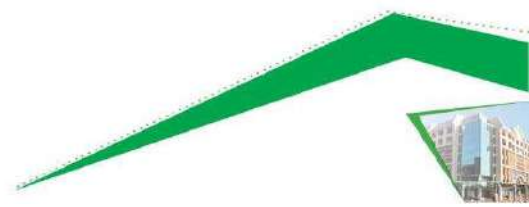
of witness Date

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 the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable 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 form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within 3 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 securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. 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 working 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.¹

Signature

.....
Name

.....
Capacity

.....
for the Employer

.....
(Name and address of organization)

Name and signature

of witness

..... Date

Schedule of Deviations

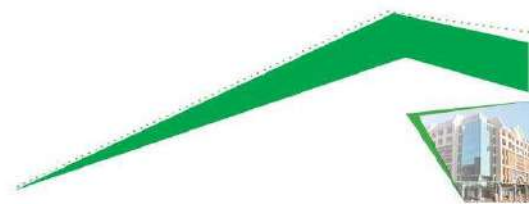
1 Subject _____
Details _____

2 Subject _____
Details _____

3 Subject _____
Details _____

4 Subject _____
Details _____

By the duly authorized representatives signing this agreement, 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,

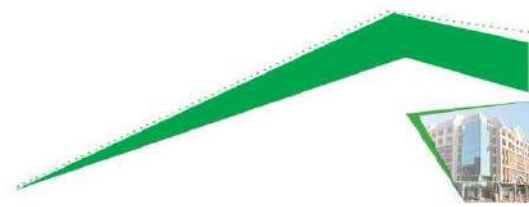


clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender/ quotation 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.

1As an alternative, the following wording may be used:

Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to counter delivery /door-to-door delivery /courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven working days of the date of such submission 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.



A RECORD OF ADDENDA TO BID DOCUMENTS

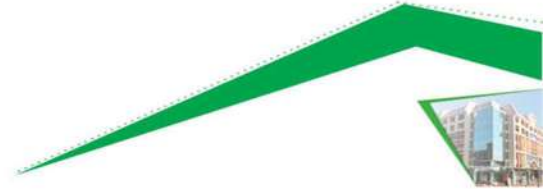
PROJECT TITLE		WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA	
SCMU NUMBER		SCMU5-23/24-0085	
I / We confirm that the following communications received from the Department of Public Works before the submission of this tender offer, amending the tender documents, have been taken into account in this bid offer: (Attach additional pages if more space is required)			
Item	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



B 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.

PROJECT TITLE	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
SCMU NUMBER	SCMU5-23/24-0085

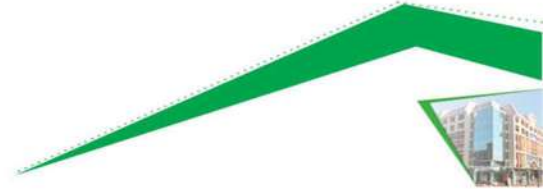
Page	Clause /Item	Proposal

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

Signed _____ Date _____

Name _____ Position _____

Enterprise name _____



C RESOLUTION FOR SIGNATORY

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form or on company letter head.

An example is given below:

“By resolution of the board of directors passed at a meeting held on _____

Mr/Ms _____, whose signature appears below, has been duly authorised to

sign all documents in connection with the tender for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

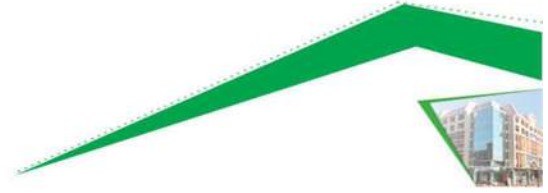
DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

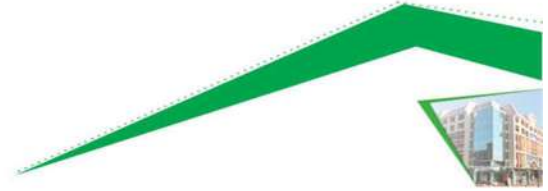
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	

If you cannot complete this form, attach a separate sheet (in a company letter head, project specific and signed by all directors):



D 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 authorize Mr/Ms, authorized 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.		
PROJECT TITLE	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA	
SCMU NUMBER	SCMU5-23/24-0085	
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner:		Signature. Name Designation.....
..... .		Signature. Name Designation.....
..... .		Signature. Name Designation.....
..... .		Signature. Name Designation.....



E SCHEDULE OF PROPOSED SUBCONTRACTORS

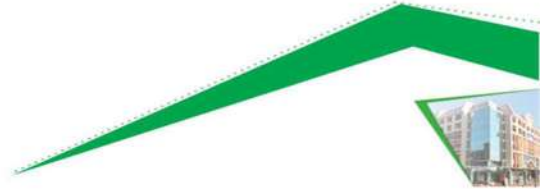
PROJECT TITLE	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
SCMU NUMBER	SCMU5-23/24-0085

We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below. This should also be declared on **SBD 6.1 form**.

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.

We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD).

No.	Name and address of proposed Subcontractor	Nature and extent of work	Year completed	Value	Contact details
1					
2					



3					

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

Signed

Date

Name

Position

Enterprise name



F RELEVANT PROJECT EXPERIENCE – COMPLETED PROJECTS

Tenderers must submit a max one-page description of at least three projects successfully completed.

Attach a Completion Certificate for each of the project provided.

The description of each project must include the following information:

1. Essential introductory information:
 - 1.1. Name of project.
 - 1.2. Name of client.
 - 1.3. Contact details of client.
 - 1.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
 - 1.5. The period during which the project was performed, and also, if this is different, the period during which the tenderer’s team members were contracted.
 - 1.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.	NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT.	PROJECT VALUE	DATE COMPLETED
1					
2					
3					

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes).

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

Signed.....

Date.....

Name.....

Position.....

Enterprise name.....



G RELEVANT PROJECT EXPERIENCE – CURRENT PROJECTS

Tenderers must submit a max one-page description of at least three projects under construction/ on hold/ just handed over/ towards completion (if they exist). **Attach an Appointment letter for each of the project provided.**

The description of each project must include the following information:

2. Essential introductory information:
 - 2.1. Name of project.
 - 2.2. Name of client.
 - 2.3. Contact details of client.
 - 2.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
 - 2.5. The period during which the project was performed, and if this is different, the period during which the tenderer’s team members were contracted.
 - 2.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.		NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT.	PROJECT VALUE	STAGE OF PROJECT
1						
2						
3						

Attach a separate page to address this issue (the above table is just for reference purposes).

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

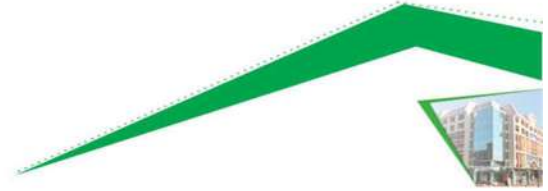
Signed

Date

Name

Position

Enterprise name



H OTHER OFFERS SUBMITTED AT TIME OF THIS TENDER FOR WHICH RESULTS ARE PENDING (if they exist)

(Any other client's tender must also be included)

BID NO. / PROJECT NUMBER	PROJECT NAME	CLIENT NAME & CONTACT NO.	VALUE TENDERED IN RANDS	DATE SUBMITTED	CONTACT DETAILS (CLIENT)
1					
2					
3					
4					

If there are more projects, attach a separate page to address this issue (the above table is just for

Signed

Date

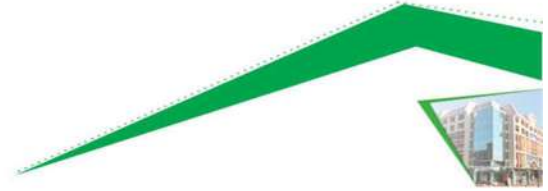
Name

Position

Enterprise name

reference purposes)

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes)



I SCHEDULE OF TENDERER'S LITIGATION HISTORY

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders, or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

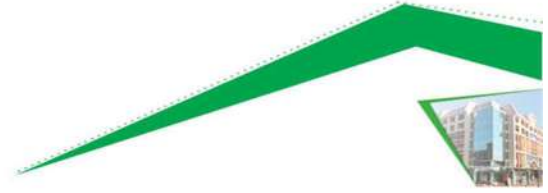
NO.	NAME OF CLIENT.	OTHER LITIGATING PARTY	BRIEF DETAILS OF DISPUTE	PROJECT VALUE	DATE RESOLVED OR STATUS OF LITIGATION
1					
2					
3					
4					

Date

Name

Position

Tenderer name



J PROJECT REFERENCE FORMS

Project Reference Forms - 1

Project title:	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
Project Number:	SCMU5-23/24-0085

NOTE: This returnable document must be completed by the person who was the Engineer/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of
_____ (company name) declare
that I was the Project Manager on the following building construction project successfully
executed by _____ (name of tenderer):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc						
TOTAL						

B. Would you consider / recommend this tenderer again:



YES	NO

C. Any other comments:

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023.

Signature of principal agent

COMPANY STAMP

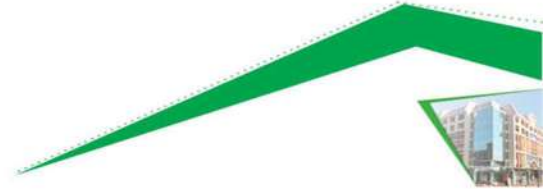
NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date



Project Reference Forms – 2

Project title:	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
Project Number:	SCMU5-23/24-0085

NOTE: This returnable document must be completed by the person who was the Engineer/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of
_____ (company name) declare

that I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

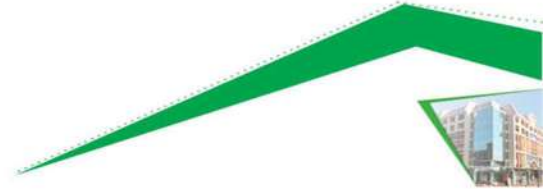
Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc.						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO
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C. Any other comments:

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023.

Signature of principal agent

COMPANY STAMP

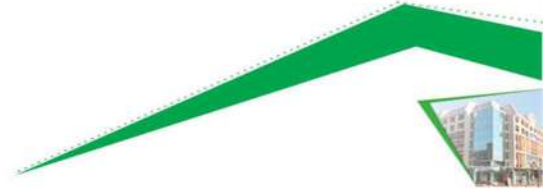
NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date



Project Reference Forms – 3

Project title:	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
Project Number:	SCMU5-23/24-0085

NOTE: This returnable document must be completed by the person who was the Engineer/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

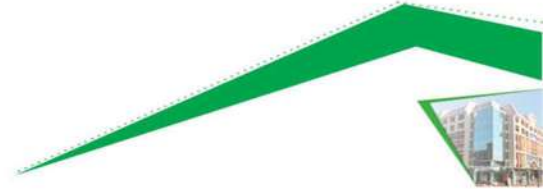
I, _____ (name and surname) of
_____ (company name) declare
that I was the Project Manager on the following building construction project successfully
executed by _____ (name of tenderer):
Project name: _____
Project location: _____
Construction period: _____ Completion date: _____
Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting “Yes” in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc.						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO
-----	----



--	--

C. Any other comments:

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023.

COMPANY STAMP

Signature of principal agent

NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date

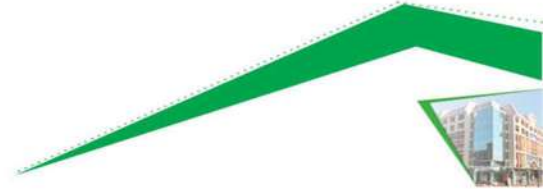


L BASELINE RISK ASSESSMENT

PROJECT TITLE	DRILLING AND EQUIPPING OF BOREHOLES AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
SCMU NUMBER	SCMU5-23/24-0085
<i>PLEASE NOTE THAT THIS IS A BASELINE RISK ASSESSMENT AND NOT A DETAILED RISK ASSESSMENT OF ALL ANTICIPATED ACTIVITIES ON SITE</i>	

Activity	Risk to Safety	Risk to Health	Risk to Environmental	Risk to Public Safety	Control Measures
Maintenance and New Installation	Implementation of the approved risk assessment and employees	Electric Shock	N/A		PPE, Use of Scaffolding
Maintenance	Working on heights	Falling from Heights	N/A		PPE, Use of Scaffolding
Maintenance	Fire and explosion	Live lost and injuries	Smoke, Damage to property and environment	Dust inhalation	Use of PPE, guarding off site on work areas
Location, exposing & protection of the unknown existing services	Exposure to water, electrical, fire detection services	Long term breathing problems	Construction activities, vibration, dust	Air pollution	Use of PPE, guarding off site on work areas
Construction activities / demolition	Temporary deafness	Permanent deafness	Noise pollution	Noise pollution	Guarding / barricading of site
Moving machines	Driven over by machines	Injury to workers	Fuel spillage	Driven over by machines	Signage and slow driving

You can list all activities on a separate page to address this issue (the above table is just for reference purposes).



M INFRASTRUCTURE INPUT MATERIAL

A. EASTERN CAPE INFRASTRUCTURE INPUT MATERIAL

PROJECT NAME	WATER INFRASTRUCTURE AUGMENTATION, BOREHOLE DRILLING AND EQUIPPING AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA
PROJECT DESCRIPTION (SCOPE)	Borehole drilling and equipping, and pipeline replacement

- Below is the list of building material which must be sourced from Eastern Cape based suppliers, manufacturers, or accredited agents.
- On monthly basis, the contractor will report the purchasing of any of this material.
- The report will then be communicated to PT & OTP on quarterly basis or in whichever intervals, as prescribed by PT & OTP.

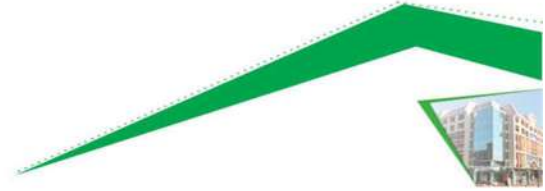
A. EXTERNAL WORKS – Pipelines

ITEM	BUILDING MATERIAL (TYPE)	QUANTITY	ESTIMATE AMOUNT (Rands)
1	Water pipes		
2	Sewer Pipes		
TOTAL			

B. CONFIRMATION

- I.....(**Contractor name**) acknowledge and confirm the above mentioned material will be sourced in the Eastern Cape Province, from Eastern Cape based material suppliers and manufacturers.
- I confirm that on monthly basis I will produce a proof of purchase of this material used or to be used, either in the form of delivery notes, tax invoices or any formal document which verifies that the material or goods were sourced from an Eastern Cape based supplier or manufacturer.

Representative of the Contractor (Name) **Signature** **Date**



C1.2: CONTRACT DATA

PART 1: DATA PROVIDED BY THE EMPLOYER

GENERAL CONDITIONS OF CONTRACT

The *General Conditions of Contract for Construction Works*, Third Edition, 2015, published by the South African Institution of Civil Engineering, is applicable to this Contract. (Short title: "General Conditions of Contract 2015").

The document is available from the South African Institution of Civil Engineering, Tel: 011 805 5947, web page: www.saice.org.za.

It is agreed that the only variations from the General Conditions of Contract 2015 are those set out hereafter under "Special Conditions of Contract"

SPECIAL CONDITIONS OF CONTRACT

The Special Conditions of Contract (SCC) in the table below shall amplify, modify, or supersede, as the case may be, the General Conditions of Contract.

The clauses of the Special Conditions hereafter are numbered "SCC" followed in each case by the number of the applicable clause or sub clause in the GCC 2015.

Special Conditions of Contract

Clause	Amendments
SCC2.4.1	<p><i>Add at the beginning of the sub-clause:</i></p> <p>"The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:</p> <ul style="list-style-type: none"> (a) The Form of Offer and Acceptance (b) The Contract Data (c) The Special Conditions of Contact (d) The General Conditions of Contract (e) The Particular Specifications (f) The Variations and Additions to the Standardized Specifications (g) The Standardized Specifications (h) The Drawings (i) The Schedules and any other documents forming part of the Contract" <p><i>At the end of the sub-clause replace the full stop by a comma and add:</i></p> <p>"using the above order of priority as reference."</p>
SCC4.4.2	<p>Liability for subcontractors</p> <p><i>Add the following to Clause 4.4.2 after the last sentence:</i></p> <p>"The Contractor shall not subcontract any part of the Contract without the prior written consent of the Employer's Agent, which consent shall not be unreasonably withheld."</p>

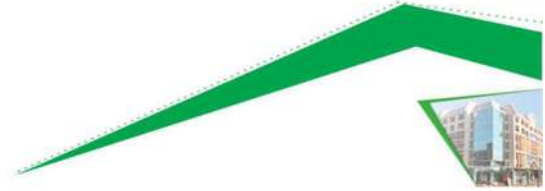


Special Conditions of Contract

Clause	Amendments
SCC5.6.4	<i>Add to the sentence after "Contractor" and before the colon:</i> "within 7 days after receiving the instruction from the Employer's Agent"
SCC5.7.1	<i>Add to the end of the clause:</i> "Failure to comply with the requirements of presenting a programme and any adjustments thereto as instructed by the Employer's Agent, shall entitle the Employer's Agent to use a programme based on his own assumptions to evaluate claims for extension of time for completion of the works, or for additional compensation."
SCC 5.11.4	<i>Add the following new sub-clause:</i> "The Contractor may, after giving fourteen (14) days written notice to the Employer, with a copy to the Engineer, (with specific reference to this sub-clause) suspend the progress of the Works where the Engineer or the Employer has failed in terms of sub-clause 6.10.4 to: 5.11.4.1 Deliver a payment certificate, or 5.11.4.2 Make full payment of the amount certified in the payment certificate, within the times prescribed in the sub-clause, without prejudice to the Contractor's other rights under this Contract or in law."
SCC5.14.1	Practical Completion <i>Replace the last sentence of the second paragraph:</i> "Should the Engineer ... on the Due Completion Date." <i>with the following:</i> "Should the Engineer not issue such a list within 14 days, Practical Completion shall be deemed to have been achieved on the said fourteenth day."
SCC5.14.2	Issue of Certificate of Practical Completion <i>Replace "the Engineer" in the second line with the following:</i> "the Contractor shall notify the Engineer, who shall inspect the Works and the Engineer"
SCC5.14.4	Certificate of Completion <i>Replace "the Engineer" in the second line of the first paragraph with:</i> "the Contractor shall notify the Engineer, who shall inspect the Works and the Engineer"
SCC6.2.1	<i>In the last line of the sub-clause delete "selected" and replace with:</i> "specified".



3.1.3	<p>The Employer's Agent shall obtain the specific approval of the Employer before executing any of the following functions or duties:</p> <ol style="list-style-type: none"> 1. Issuing instructions for dealing with fossils and the like in terms of Clause 4.7. 2. Authorizing the Contractor to repair and make good, excepted risks in terms of Clause 8.2.2.2. 3. Issuing a variation order in terms of Clause 6.3. 4. Reducing a penalty for delay in terms of Clause 5.13. 5. Agreeing the adjustment of the sums for general items in terms of Clause 6.11.1.
5.2.1	<p>The Commencement Date shall be the date the Contractor receives a copy of the contract that has been fully completed and signed by the Employer.</p>
5.3.1	<p>The documentation required before commencement with the Works execution is:</p> <ol style="list-style-type: none"> 1. Health and Safety Plan (Refer to the Health and Safety Specification). 2. Environmental Site Management and Rehabilitation (ESM&R) Plan (Refer to Environmental Management Plan). 3. Initial programme (Refer to Clause 5.6.1). 4. Security (Refer to Clause 6.2.1). 5. Insurances (Refer to Clause 8.6.1).
5.3.2	<p>The Contractor is required, within 14 days of the Commencement Date, to submit the documents listed below to the Employer's Agent for his approval.</p> <p>Health and Safety Plan</p> <p>A health and safety plan in terms of Clause 7(1) of the Construction Regulations (February 2014).</p> <p>Environmental Site Management and Rehabilitation (ESM&R) Plan</p> <p>(Refer to Environmental Management Plan in the specifications).</p> <p>Initial Programme</p> <p>An Initial Programme of work in terms of Clause 5.6.</p> <p>Security</p> <p>A guarantee from an Insurance Company to be jointly and severally bound with the Contractor for an amount equal to ten per cent (10%) of the Contract Price. The wording of the Guarantee shall be identical to the pro forma currently in use by the Employer on civil engineering contracts.</p> <p>Insurance</p> <p>Submit copies of receipts of registration, or payment for the premiums for the following insurances, as required by the new Clause 8.6 in this Contact Data.</p> <ol style="list-style-type: none"> (a) Proof of registration with the Department of Labour as an employer, in terms of the Compensation for Occupational Injuries and Diseases Act 1993, as amended. (b) Common Law Liability Insurance for the duration of the Contract Period and with a minimum Limit of Indemnity of not less than R5 000 000 for any one accident but the Contractor must assess the risk and provide for additional cover at his own cost; (c) Insurance on an All Risks basis for construction plant, equipment and other things (except those intended to incorporation into the works) brought onto the site to the full value of such construction plant, equipment and other things; (d) Motor Vehicle Liability Insurance, comprising a minimum of Balance of Third Party motor risks, including Passenger Liability, subject to a minimum limit of R2,5 million but the Contractor must assess the risk and provide for additional cover at his own cost. (e) Where the Contract involves manufacturing and/or fabrication of the works or part thereof at premises other than the site, the Contractor shall satisfy the employer that all materials and equipment for incorporation in the works are adequately



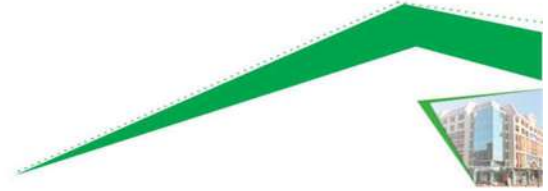
	<p>insured during manufacture and/or fabrication. In the event of the Employer having an insurable interest in such works during manufacture or fabrication, then such interest shall be noted by endorsement to the Contractor's Policies of Insurance.</p> <p>(f) Imported equipment or component parts or materials to be supplied in terms of this Contract which require any process of assembly or finishing in South Africa prior to delivery to the site are to be insured by the Contractor up to the commencement of transit to site of the assembled or finished equipment, component parts or materials, unless special arrangements are made with the Employer.</p> <p>These insurances shall be maintained in force for the duration of the Contract, including any Defects Liability Period and O & M period and in respect of Sub-Contractors, the Contractor shall be deemed to have complied with the provisions of the requirements relating to insurance by ensuring that the Sub-Contractors have effected such insurance.</p>																																													
5.4.2	The access to the site shall not be exclusive to the contractor.																																													
5.6	<p>Add the following sub-clause 5.6.6 to Clause 5.6:</p> <p style="padding-left: 40px;">“Failure on the part of the Contractor to deliver to the Engineer, the</p> <ul style="list-style-type: none"> • programme of the Works in terms of Clause 5.6.1 and • supporting documents in terms of Clause 5.6.2 <p>within the period stated in the Contract Data, shall be sufficient cause for the Engineer to retain 25 percent of the value of the Fixed Charge and Value-related items in assessment of amounts due to the Contractor, until the Contractor has submitted aforementioned first Programme of the Works and Supporting Documents”.</p>																																													
5.8.1	<p>The non-working days are Saturdays and Sundays.</p> <p>The special non-working days are:</p> <ul style="list-style-type: none"> • Public holidays not falling within the year end break. • The year-end break commencing on the first working day after the 15th December and ending on the first working day after 5th January of the following year. • Any additional statutory public holiday proclaimed during the construction period. 																																													
5.12.2.2	<p>In the event of normal climatic conditions, the number of working days per month that can be expected to be lost as a result of rainfall and extreme winds are shown in Table 5.12.2.2. The Contractor shall allow for these number of days in his programme.</p> <table border="1" data-bbox="289 1283 1224 1829" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2" style="border: none;"></th> <th style="border: none;">Precipitation</th> </tr> <tr> <th style="border: none;">Months</th> <th colspan="2" style="border: none;">Normal</th> </tr> </thead> <tbody> <tr><td style="border: none;">January</td><td colspan="2" style="border: none;">10</td></tr> <tr><td style="border: none;">February</td><td colspan="2" style="border: none;">9</td></tr> <tr><td style="border: none;">March</td><td colspan="2" style="border: none;">9</td></tr> <tr><td style="border: none;">April</td><td colspan="2" style="border: none;">6</td></tr> <tr><td style="border: none;">May</td><td colspan="2" style="border: none;">4</td></tr> <tr><td style="border: none;">June</td><td colspan="2" style="border: none;">3</td></tr> <tr><td style="border: none;">July</td><td colspan="2" style="border: none;">3</td></tr> <tr><td style="border: none;">August</td><td colspan="2" style="border: none;">5</td></tr> <tr><td style="border: none;">September</td><td colspan="2" style="border: none;">7</td></tr> <tr><td style="border: none;">October</td><td colspan="2" style="border: none;">10</td></tr> <tr><td style="border: none;">November</td><td colspan="2" style="border: none;">12</td></tr> <tr><td style="border: none;">December</td><td colspan="2" style="border: none;">10</td></tr> <tr> <td colspan="3" style="border: none;">Tabular view for precipitation per month</td> </tr> </tbody> </table>			Precipitation	Months	Normal		January	10		February	9		March	9		April	6		May	4		June	3		July	3		August	5		September	7		October	10		November	12		December	10		Tabular view for precipitation per month		
		Precipitation																																												
Months	Normal																																													
January	10																																													
February	9																																													
March	9																																													
April	6																																													
May	4																																													
June	3																																													
July	3																																													
August	5																																													
September	7																																													
October	10																																													
November	12																																													
December	10																																													
Tabular view for precipitation per month																																														



	<p>During the execution of the Works, the Employer's Agent Representative will certify a day lost due to climatic conditions if at least 75% of the work force and plant on site could not work during that specific working day. All relevant facts regarding any work stoppages resulting from prevailing climatic conditions shall be recorded in the daily Site Diary.</p> <p>Extension of time as a result of abnormal climatic conditions shall be calculated monthly being equal to the number of working days certified by the Employer's Agent Representative as actually lost due to climatic conditions, less the number of days allowed for as in Table 5.12.2.2. These monthly values may be negative. The total extension of time shall be the cumulative algebraic sum of the monthly extensions. Should the sum thus obtained be negative, the extension of time shall be taken as nil.</p>
5.13.1	The penalty for failing to complete the Works by the due completion dates shall be R 5,500.00 per calendar day.
5.16.3	The latent defect period is 10 years.
6.2.1	<p>The type of security shall be a Performance Guarantee, issued by an insurance company or bank, of 10% of the Contract Sum.</p> <p>If the Guarantor is an Insurance Company, it shall be one listed in the Financial Services Board "List of Registered Insurers" (see www.fsb.co.za).</p> <p>If the Guarantor is a bank it shall be one listed in the South African Reserve Bank list of "Registered Banks and Representative Offices" and appear either in the list of "locally Controlled Banks" or in the list of "Branches of Foreign Banks" (see www.resbank.co.za).</p> <p>The Performance Guarantee shall be provided in accordance with the approved format and wording as indicated in the Pro-Forma Performance Guarantee contained in the returnable documents.</p>
6.2.2	<p>Delete the entire contents of Clause 6.2.2 and replace with:</p> <p>"Failure to deliver an acceptable security as selected in the Contract Data within the stipulated period is a fundamental breach of Contract".</p>
6.3	Omit the words "Provided that" under Clause 6.3.2 and omit Clause 6.3.2.1.
6.8.2	Contract Price Adjustment shall not apply on this contract.
6.10	<p>Add to the end of Clause 6.10.1 the following paragraph:</p> <p>"The Contractor shall complete the 'Contractor's Monthly Report Schedule', which pro forma documentation is obtainable from the Engineer. Pursuant to Sub-Clause 6.10.1.8, these, duly signed by all concerned, together with the Contractor's statement and a VAT invoice in original format are to be submitted to the Engineer. Issue by the Engineer to the Employer and Contractor of any signed payment certificate is conditional to this information being fully endorsed, accurately and timeously submitted to the Engineer".</p>
6.10.1.5	The maximum percentage advance on materials not yet built into the Permanent Works is 80% of the invoice value.
6.10.2	<p>Add to the end of Clause 6.10.2 the following paragraph:</p> <p>"All documentary evidence of such materials shall be unambiguous with respect to ownership having fully passed to the Contractor on or before the date of submittal of the Contractor's monthly statement.</p> <p>Should the Contractor fail to supply unambiguous documentary evidence, he shall, prior to submittal of his monthly statement, deliver to the Employer a Guarantor Guarantee in the form contained in the Appendices to the Contract Data."</p>
6.10.3	<p>The percentage retention shall be 10% of the monthly amounts certified for payment.</p> <p>The Limit of retention money shall be 10% of the Contract Sum.</p>
6.10.4	<p>Delivery, dissatisfaction with and payment of payment certificate</p> <p><i>Replace "28 days" in the seventh line with "30 days".</i></p>
8.6.1.1.2	The value of Plant and Materials supplied by the Employer to be included in the insurance sum is "Nil".



8.6.1.3	The limit of the liability insurance required is R10 000 000 for any single claim with the number of claims unlimited during construction and defects liability period.
10.5.2	Dispute resolution shall be by ad-hoc adjudication if necessary.



PART 2: DATA PROVIDED BY THE CONTRACTOR

Clause

1.1.1.9 The name of the Contractor is

1.2.1.2 The Contractor's address for receipt of communications is:

Physical address:

Postal address:

.....
.....
.....
.....

Telephone:

Fax:

E-mail:

6.5.1.2.3 The percentage allowance to cover overheads and charges shall be as per those stated in the Schedule of Quantities.



C1.3: PERFORMANCE GAURANTEE (PROFORMA)

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

Physical address:

"Employer" means:

"Contractor" means:

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

Amount in words:

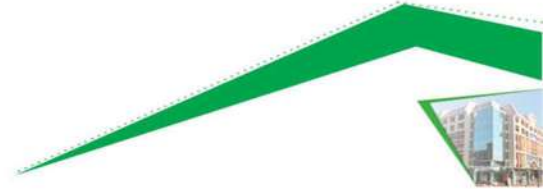
"Expiry Date" means:

CONTRACT DETAILS

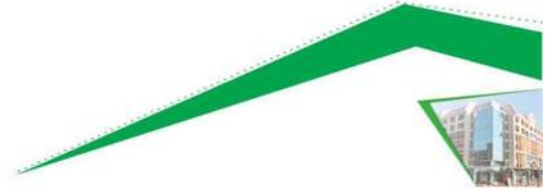
Engineer issues: Interim Payment Certificates, Final Payment Certificate and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

- 1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.



- 3 The Guarantor hereby acknowledges that:
 - 3.1 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;
 - 3.2 Its obligation under this Performance Guarantee is restricted to the payment of money.
- 4 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 4.1 to 4.3:
 - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer 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 4.2;
 - 4.2 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 4.1 and the sum certified has still not been paid;
 - 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.
- 5 Subject to the Guarantor's maximum liability referred to in 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:
 - 5.1 The Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5.2 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 5; and
 - 5.3 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.
- 6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
- 7 Where the Guarantor has made payment in terms of 5, 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.
- 8 Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.



- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.
- 10 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem 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.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 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.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 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)

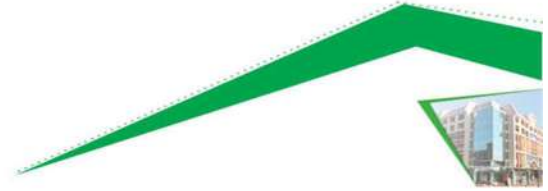
Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1).....

Witness signatory (2).....



C1.4: AGREEMENT IN TERMS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO 75 OF 1993)

THIS AGREEMENT made at

on this the day of in the year

between [*hereinafter called "the Employer"*] of the one part, herein represented by

in his capacity as

and

[*hereinafter called "the Mandatory"*] of the other part, herein represented by.....

.....

in his capacity as

WHEREAS the Employer is desirous that certain works be constructed and has accepted a Tender by the Mandatory for **DRILLING AND EQUIPPING OF BOREHOLES AT BEDFORD ORTHOPEDIC HOSPITAL, MTHATHA.**

Construction, completion and maintenance of such Works and whereas the Employer and the Mandatory have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Mandatory with the provisions of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1 The Mandatory shall execute the work in accordance with the Contract Documents pertaining to this Contract.
- 2 This Agreement shall hold well from its Commencement Date, which shall be the date of a written notice from the Employer or Engineer requiring him to commence the execution of the Works, to either.
 - (a) The date of the Final Approval Certificate issued in terms of Clause 5.16.1 of the General Conditions of Contract (GCC 2015).
 - (b) The date of termination of the Contract in terms of Clauses 9.1, 9.2 or 9.3 (GCC 2015) of the GCC.



- 3 The Mandatory declares himself to be conversant with the following:
- (a) All the requirements, regulations and standards of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following sections of The Act:
 - (i) Section 8 : General duties of employers to their employees;
 - (ii) Section 9 : General duties of employers and self-employed persons to persons other than employees;
 - (iii) Section 37 : Acts or omissions by employees or mandatories, and
 - (iv) Subsection 37(2) relating to the purpose and meaning of this Agreement.
 - (b) The procedures and safety rules of the Employer as pertaining to the Mandatory and to all his subcontractors.
- 4 In addition to the requirements of Clause 8.4 of the GCC 2015 and all relevant requirements of the Contract, the Mandatory agrees to execute all the Works forming part of this Contract and to operate and utilise all machinery, plant and equipment in accordance with the Act.
- 5 The Mandatory is responsible for the compliance with the Act by all his subcontractors, whether or not selected and/or approved by the Employer.
- 6 The Mandatory warrants that all his and his subcontractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act, 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.
- 7 The Mandatory undertakes to ensure that he and/or subcontractors and/or their respective employers will at all times comply with the following conditions:
- (a) The Mandatory shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The Mandatory shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Employer. If the Mandatory obtains such approval and delegates any duty in terms of Section 16.2 a copy of such written delegation shall immediately be forwarded to the Employer.
 - (b) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Mandatory to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.
 - (c) 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 into any incident involving the Mandatory and/or his employees and/or his subcontractors.



CERTIFICATE OF AUTHORITY FOR SIGNATORY TO AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO. 85 OF 1993)

The signatory for the company that is the Contractor in terms of the above-mentioned Contract and the Mandatory in terms of the above-mentioned Act shall confirm his or her authority thereto by attaching to this page a duly signed and dated copy of the relevant resolution of the Board of Directors.

An example is given below:

"By resolution of the Board of Directors passed at a meeting held on 20.....,

Mr/Ms whose signature

appears below, has been duly authorised to sign the AGREEMENT in terms of THE OCCUPATIONAL

HEALTH AND SAFETY ACT, 1993 (ACT NO. 85 OF 1993) on behalf of

.....

SIGNED ON BEHALF OF THE COMPANY :

IN HIS/HER CAPACITY AS :

DATE :

SIGNATURE OF SIGNATORY :

WITNESS: 1. 2.

NAME (IN CAPITALS): 1. 2.



C1.5: DISPUTE RESOLUTION MECHANISM

C1.5.1 CIDB ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:.....
 (name of company / organization) of
 (address) and..... (name of
 company / organization) of
 (address) (the
 Parties) and..... (name) of
 (address) (the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated
 and known as.....
 and these disputes or differences shall be/have been* referred to adjudication in accordance with the
 CIDB Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may be or has
 been requested to act.

* Delete as necessary

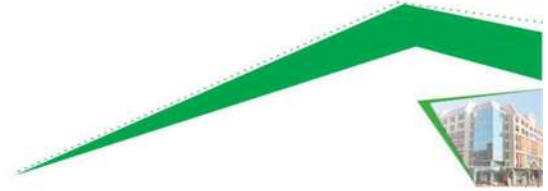
IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.
- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by: _____
 Name: _____
 who warrants that he / she is
 duly authorized to sign for and
 on behalf of the first Party in the
 presence of

SIGNED by: _____
 Name: _____
 who warrants that he / she is
 duly authorized to sign for and
 behalf of the second Party in
 the presence of

SIGNED by: _____
 Name: _____
 the Adjudicator in the presence
 of

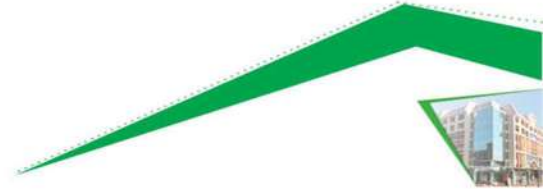


Witness	_____	Witness:	_____	Witness:	_____
Name:	_____	Name	_____	Name:	_____
Address:	_____	Address:	_____	Address:	_____
Date:	_____	Date:	_____	Date:	_____

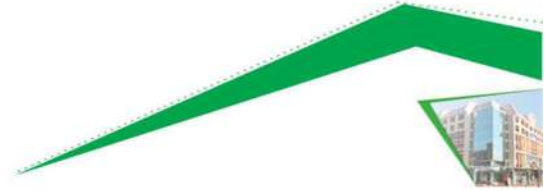
Contract Data

1	The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. € Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. € Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R This fee shall become payable in equal amounts by each Party within days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due in 30 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.

* Delete as necessary



PART C2: PRICING DATA

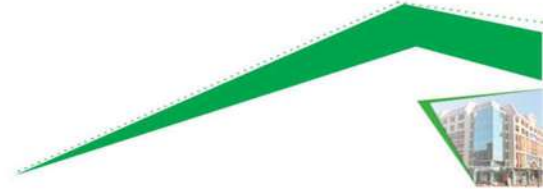


C2.1 PRICING INSTRUCTIONS

1. The pages in the schedule of quantities are numbered continuously. The tenderer must check the pages before he submits his tender, and if any pages are missing, duplicated, or unclear or contain obvious errors, the engineer should be notified to have these errors rectified.
2. The Project Specifications, the General Conditions of Contract, the Contract Data, the special conditions of contract if any, the drawings, site information and notice(s) to the tenderers are to be read in conjunction with the schedule of quantities.
3. Descriptions in the schedule of quantities are abbreviated and the schedule has been drawn up generally in accordance with the 1990 issue of Civil Engineering Quantities. Should any requirements of the measurement and payment Clause of the applicable standardised specification, or the project specification, or the project or standard specification or section conflict with the terms of the schedule, or, when relevant, the said Civil Engineering Quantities, the requirement of the standardised project, or project specification section, as applicable shall prevail.

The measurement and payment Clauses of each specification, read together with the relevant Clauses of the project specification, set out what ancillary or associated activities are included in the rate for the works specified.

4. Unless otherwise stated, items are measured nett in accordance with the drawings and specifications, and no allowance has been made for waste. All quantities are provisional, and payment will be made after the actual quantities have been measured on site after completion of the works and agreed to.
5. The prices and rates to be inserted in the schedule of quantities are to be the full inclusive prices to the employer for the work described under each item. Such prices shall cover all costs and expenses that may be required in and for the construction of the work described, and shall cover the cost of all general risks, liability, and obligations set forth or implied in the documents on which the bid is based. These prices and rates must be nett and not include value added tax. Value added tax must be added as a separate item on the summary page.
6. A price or rate is to be entered against each item in the schedule of quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to have a price or rate of R0-00. It will be accepted that items against which no price has been inserted are covered by other prices or rates in the schedule.
7. Arithmetical errors will be corrected in accordance with the Standard Conditions of Tender. (The tender price remains fixed, and rates and prices are adjusted and balanced.) it is important to note however, that such balancing will not include the altering of provisional sums made by the Engineer. Moreover, all balancing will be approved by the Engineer and/or Employer prior to it being accepted.
8. The contractor must not order the quantities of materials stated in the schedule of quantities until he has confirmed from the construction drawings or measurement on site and with the engineer that such quantities are in fact the correct quantities.



9. Reference to Clauses in this and other documents and drawings are generally abbreviated as follow:

Document/ Source Abbreviation

PS.... Project Specification

BS..... Particular Specification

SABS/ SANS SABS 1200 standardized specification

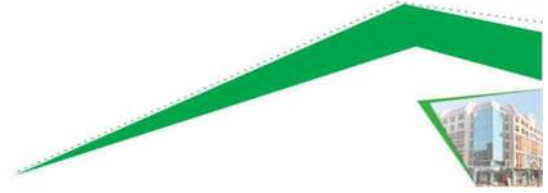
E765 -..... Drawings

LI Labour Intensive

10. An ordinary number in the reference column refers to the standardized specifications. A letter followed by a number in the reference column refers to an applicable Clause of the project specifications or particular specifications.

The absence of a reference must not be construed that no specification is applicable. The tenderer must ensure that all the requirements of the project specifications and standard specifications are covered by the items and rates tendered. If he is of the opinion that a specific Item needs to be added, he must insert such an Item with a price or a rate as applicable. Therefore, the items in the schedule of quantities are considered to cover the project specifications entirely.

11. The tenderer must price and extend each item and total each section in the schedule of quantities in **BLACK INK**.



C2.2: BILL OF QUANTITIES

NOTE: The bill of quantities is numbered separately from the rest of the tender document.

SUMMARY

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
SECTION 1	PRELIMINARY AND GENERAL	R -
SECTION 2	BEDFORD HOSPITAL BOREHOLES	R -
SUB-TOTAL (excl VAT)		R -
VAT @ 15%		R -
TOTAL CARRIED FORWARD TO FORM OF OFFER AND ACCEPTANCE		R -

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	SANS 1200 A	SECTION 1: PRELIMINARY & GENERAL				
1.1		Fixed Charge				
1.1.1	PSA 8.3.1	Contractual Requirements	Sum	1		
1.1.2	PSA 8.3.2	Establishment of Facilities on site (base camp)				
1.1.2.1		b) Male and female ablution facilities	Sum	1		
1.1.2.2		c) Water supplies, electric power and communications, etc.	Sum	1		
1.1.3	PSA 6.2.2	Establishment of Plant and Equipment				
1.1.3.1	PSA 8.3.4	Establishment of Plant and Equipment	Sum	1		
1.1.3.2	PSA 8.3.4.1	Removal of Plant and Equipment	Sum	1		
1.2		Time Related Matters				
1.2.1	PSA 8.4.1	Contractual requirements	Month	1		
1.2.2	PSA 8.4.2.2	Facilities for Contractor	Month	1		
1.2.3	8.4.2	Supervision for Duration of Construction	Month	1		
1.3		GEOPHYSICAL ASSESSMENTS				
1.3.1		Borehole Sitting				
1.3.1.1	PS 1.3	Detailed site geophysical assessments	No.	2		
1.3.1.2	PS 1.4	Written Technical report presenting the salient results and findings of geophysical assessment. Report to be in a word format, detailing study approach, results, recommendations and all geophysical data, drill log, test data and applicable maps and photographs.	No.	2		
1.4		SUMS STATED PROVISIONALLY BY ENGINEER				
1.4.1		1) Allowance for additional Geotechnical investigations and reports	Prov sum	1	R 85,000.00	
1.4.2		2) Allowance for GPR Survey for existing water and sewer pipelines.	Prov sum	1	R 250,000.00	
1.4.3		3) Allowance for Topographical Survey.	Prov sum	1	R 55,000.00	
1.4.4		4) Allowance for existing reticulation infrastructure repair.	Prov sum	1	R 500,000.00	
1.4.5		Management, overheads, charges and profit on (1,2,3 and 4) above	%	R 890,000.00		
TOTAL SECTION CARRIED TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2		SECTION 2: BEDFORD HOSPITAL WATER SUPPLY				
2.1	PS 2	BOREHOLE DRILLING				
2.1.1	PS 2.2	Rotary air percussion drilling to be employed on borehole sites with consolidated rock formations Rotary air percussion with foam - 0m to 150m				
		a) 165mm diameter	m	260		
		b) 216 diameter	m	40		
2.1.2		Steel Casing				
		Supply, deliver and install steel casing (bevel-ended plain)				
		a) 177mm OD (plain) (minimum wall thickness 4,5mm)	m	40		
		b) E.O. uPVC 144mm OD (plain)	m	10		
2.1.3		Concrete Collar	No.	2		
2.1.4		Sanitary Seal	No.	2		
2.1.5		Borehole Certificate	No.	2		
2.1.6		Development of Borehole	Hr	2		
2.2	PS 3.1	PUMP TEST				
2.2.1		Establishment and Set-up Pump Testing equipment	No.	2		
2.2.2		Pump Test (Step test (4 x 1 hr. duration and 4 hrs. maximum recovery or 95% recovered, 24-hour constant discharge test (CDT) and associated recovery (of maximum 24 hrs. of 95% recovered).	No.	2		
2.2.3		Borehole Disinfection - Granular chlorine (HTH No. 1 or equivalent)	No.	2		
2.2.4		Borehole Protection (re-welding of casing)	No.	2		
2.2.8		Water level monitoring at observation borehole	No.	2		
2.3	PS 3.2	WATER SAMPLING				
2.3.1		Disinfection of borehole (only if pathogens indicated by total coliforms and e.colli, are present)	No.	2		
2.3.2		Collection of water sample (including cold storage and delivery to the Laboratory)	No.	2		
2.3.3		Sample test (SANS 241:2015) at an accredited Laboratory	No.	2		
2.4		EARTHWORKS (PIPE TRENCHES)				
2.4.1		Site Clearence				
2.4.1.1		Clear and grub	m	1000		
2.4.1.2		Remove and grub large trees and tree stumps of girth				
		a) over 1m and up to and including 2m	No.	5		
		b) over 2m and up to and including 3m	No.	5		
2.4.2		Excavation				
		Excavate using plant, in all materials for trenches, backfill, compact to the density of 2xDCP blows per 100mm, and dispose of surplus material, for pipes:				
2.4.2.1		i) 0.0 m and up to 1.0m	m ³	330		
2.4.2.2		ii) Over 1.0m and up to 2.0m	m ³	396		
2.4.2.3		iii) Over 2.0m and up to 3.0m	m ³	198		
2.4.3		Bedding				
2.4.3.1		a) Selected granular material	m ³	33		
2.4.3.2		b) Selected fill material	m ³	88		
TOTAL CARRIED FORWARD						

TOTAL BROUGHT FORWARD						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.5		WATER PIPES				
2.5.1		Supply, lay, bed, joint, and test HDPE PE 100 Class 16 pipes				
2.5.1.1		40 mm - Borehole Riser	m	240		
2.5.1.2		50 mm - Rising Main	m	600		
2.6		CABLES & FITTINGS				
2.6.1		Cables & Fittings				
2.6.1.1		16 mm2 2 core 600/1000V rated PVC/SWA/ECC cable include for 2 no termination	m	240		
2.6.1.2		16 mm2 4 core 600/1000V rated PVC/SWA/ECC cable (borehole to DB in 50mm PVC sleeve including radius bends and conduits) include for 2 no termination	m	800		
2.6.1.3		Supply and installation of circuit breaker to existing main board	Sum	1		
2.6.1.4		Electrical Compliance certificate	Sum	1		
2.6.1.5		Safety Rope (minimum 12mm diameter SAB approved nylon safety rope)	m	240		
2.6.1.6		Protective pump housing	No.	4		
2.9.2.4		Pump Fittings and Compression fittings (all HDPE pipe fittings to be PN 16 SABS approved)	Sum	1		
2.7	PS 4	EQUIPPING OF BOREHOLES				
2.7.1	PS 4.2	Supply, deliver and install a complete, functional, 15KL/day capacity and 150m pumping head, submersible electric pump complete with a 1.5KW motor, standard control box, and weather protection. Pump to be supplied with all the installer-determined lengths of 16mm2 x 2 core 600/1000V rated PVC/SWA/ECC and 16mm2 x 4 core 600/1000V rated PVC/SWA/ECC cables. The pump is to be secured with a heavy-duty nylon safety rope and all associated electrical cables and equipment. An extension cable and protected plug point to enable the connection of a mobile generator must be included with the electrical fittings. Rate to include all excavation for plumbing and electrical cabling, electrical testing, and the issuing of an Electrical Compliance Certificate. The submersible pump must be low maintenance and supplied with a detailed operation and maintenance manual (O&M) for community members. This rate shall include the O&M training of the selected community member after the installation.				
2.7.1.1		Supply, deliver and install a Complete and functional 5KL/day capacity and 150m pumping head, submersible electric pump as per specifications above.	No.	2		
2.7.1.2		Standard control box	No.	2		
2.7.1.3		Weather protection control panel box	No.	2		
2.8		ELEVATED TANKS				
2.8.1		Repair and refurbish the existing 50KL elevated tank and connect it to new tank	Prov Sum	1	R 65,000.00	R 65,000.00
2.8.2	PS4.4	Supply, deliver, and installation of a 200kL prefabricated panel pressed galvanized steel tank (Abbeco, SBS, or similar approved). Rate to include items as per PS4.4.	Sum	1		
2.8.3		Elevated Tank Foundation				
2.8.3.1		Strength concrete Grade 30 MPa/19mm for the elevated tank foundation	m ³	30		
2.8.3.2		High tensile steel reinforcement bars, up to 25mm diameter	t	3		
2.8.3.3		Smooth vertical plane formwork to foundation surfaces	m ²	20		
2.9		LIGHTING PTOTECTION				
2.9.1		Design, manufacture, deliver to site, and installation of lightning protection system to SANS Code of Practice 10313 as amended used in conjunction with SANS 62305 and all other applicable standards. The Contractor is to employ a lightning protection specialist for the complete supply and installation of the system. Supply and install an 8mm (ø) diameter round aluminum conductor c/w conductor holder	m	150		
TOTAL CARRIED FORWARD						

TOTAL BROUGHT FORWARD						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.9.2		Supply and install 100mm x 100mm test joint box c/w with an aluminum cover plate indicating the date of installation.	No.	10		
2.9.3		Test joint bi-metallic connector c/w test joint number plate.	No.	10		
2.9.4		Supply and install 50mm ² PVC insulated copper conductor installed as shown on drawings.	m	150		
2.9.5		Supply and install 2.5m length 15mm (ø) diameter copper earth electrode c/w copper clamps and electrode couplers. The electrode will be driven to the ground at 500mm below the ground	No.	15		
2.9.6		Testing of complete installation in terms of the regulations	Sum	1		
2.9.7		Provide Safety Report by Specialist	Sum	1		
2.9.8		Provide as-built drawings and documentation	Sum	1		
TOTAL CARRIED TO SUMMARY						



PART C3: SCOPE OF WORKS



C3.1: DESCRIPTION OF THE WORKS

C3.1.1 Employer's Objectives

The primary objective of the Eastern Cape Department of Public Works and Infrastructure (DPWI) is to augment the water supply to Bedford Orthopedic Hospital in Mthatha, OR Tambo District.

C3.1.2 Extent of the Works

Prior to the award of the Contract the Employer reserves the right to adjust the scope of works should this be dictated by budgetary or environmental constraints.

The contract comprises the supply of labour, materials, plant, equipment, transport, and management for the completion of, but not limited to, the following:

1. Establishment of the Contractor's camp and facilities.
2. Drilling of 2No. Boreholes which entails:
 - a. Drilling of Boreholes.
 - b. Pump Test Water Sampling and Laboratory Water Analysis.
 - c. Borehole equipment which includes solar/electric pumps, as per site specific requirements, which are detailed in the Schedule of Quantities.
 - d. Supply and installation of a 200KL galvanized panel tank on Tank Stand as per the drawings issued.
 - e. All operation and service manuals to be supplied on commissioning.
3. Testing and Commissioning of the boreholes shall be undertaken and will entail operational testing of the borehole pump and all associated pipes and fittings.
4. All materials must conform to SABS specifications for the products. This includes all items such as piping, tank stands, reservoir tank, all other fittings, borehole pump and control box, etc.

All construction works must conform to the applicable standard specifications and installation requirements as per NBR requirements and manufacturers recommendations. All concrete works to conform to Cement & Concrete Institute standards and recommendations.



C3.2: ENGINEERING SPECIFICATIONS

C3.2.1 Design Services and Activity matrix

The Contractor is responsible for dam scooping and/or dam wall repairs of small earth dams.

The Contractor shall be responsible for the design and safety of all temporary formwork, support work and scaffolding required in the construction.

C3.2.2 Employer's Design

The Employer's design of the Works is complete.

Construction drawings for the Works are complete.

As-built drawings will be compiled by the Employer, however it is to be noted that it remains the duty of the Contractor to timeously convey any information in his possession which may prove necessary for the Engineer for compilation of the as-built drawings.

C3.2.3 Drawings

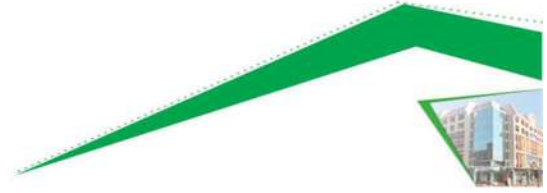
No drawings shall be prepared by the Contractor.

The drawings prepared by the Employer's Agent are supplied separately in the drawing booklet.

The Contractor will be supplied with three (3 no) full scale prints of each construction drawing free-of-charge. Further copies will be charged for at ruling rates.

Any information in the possession of the Contractor, which is necessary for the resident engineer for completing of his as-built drawings, shall be supplied to the resident engineer before a certificate of completion will be issued.

Only figured dimensions shall be used and drawings shall not be scaled unless so instructed by the Engineer. The Engineer will supply any figured dimensions which may have been omitted from the drawings.



C3.3: CONSTRUCTION SPECIFICATIONS

The latest edition as at date of tender of the following Standardised Specifications for Civil Engineering Construction as published by the South African Bureau of Standards shall apply. The applicable standardised specifications for this Contract shall be the following:

SANS 1200	A	-	General
SANS 1200	AB	-	Engineer's Office
SANS 1200	C	-	Site Clearance
SANS 1200	D	-	Earthworks
SANS 1200	DA	-	Earthworks
SANS 1200	DB	-	Earthworks (Pipe Trenches)
SANS 1200	DE	-	Earthworks (Small Earth Dams)
SANS 1200	L	-	Medium Pressure Pipelines
SANS 1200	LB	-	Bedding (Pipes)
SANS 1200	LE	-	Stormwater Drainage

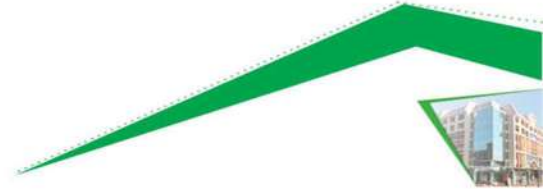
Copies of the above listed specifications are not bound into this document but may be purchased by Tenderers at their own cost from: -

SA Bureau of Standards
Private Bag X191
PRETORIA
0001

C3.3.1 Particular Specifications

The following Particular Specifications that are bound into this document under Section C3.4.2 shall apply:

PS1	Geohydrological studies
PS2	Borehole drilling
PS3	Pump Test, Water Sampling and Analysis
PS4	Borehole Equipping



C.3.3.1: PARTICULAR SPECIFICATIONS

The requirements of the SANS 10299: 2003 for Development, maintenance, and management of groundwater resources are applicable on this contract. This standard covers the terms and definitions applicable to water boreholes.

PS 1 GEOHYDROLOGICAL STUDIES

PS 1.1 GENERAL

The following considerations constitute part of site suitability assessment. The Contractor shall ensure that the appropriate requirements and threats are fully addressed during the siting process including the legal and environmental considerations.

Geohydrological services are to conform to the standards detailed in the "Minimum Standards and Guidelines for Groundwater Development for the Community Water Supply and Sanitation Programme" by the Department of Water Affairs and Forestry 1997. The consultant organization (Geohydrologist) must be recognized for their proficiency in hydro-geological services.

The siting of a potential borehole shall be undertaken under the direct supervision of a geohydrologist. The geohydrologist will be responsible for the borehole construction for all aspects of that construction, inclusive of technical and management aspects.

PS 1.2 DETAILED SITE GEOPHYSICAL ASSESSMENTS

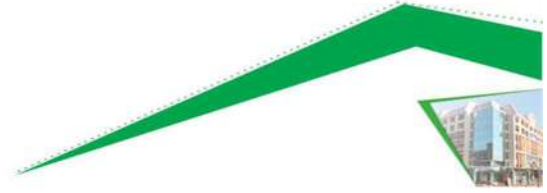
The on-site geophysical borehole siting must be preceded by the pre-feasibility desktop study of the potential groundwater borehole position. This will maximize the success rate within the most cost effective and productive manner. The desktop study will constitute the interpretation of published geological and hydro-geological maps, aerial photography, and ortho-photos (if available). Interrogation of available existing databases: National Groundwater Archive (NGA) and the Groundwater Resource Information Project (GRIP) and WARMS should also be undertaken.

Once the potential drilling targets are identified within the project bounds, scientific methods will then be deployed to offer the greatest potential success in terms of yield and access. The geohydrologist will achieve this by utilizing the following geo-physical techniques by an experienced.

- a) Frequency domain electromagnetic surveys
- b) Electrical resistivity surveys

More than one potential position is required per project, based on whether the geophysical results show good potential for groundwater.

The site and its identification number must be marked clearly in the field. It is preferable that more than one method of marking be used, e.g., a whitewashed cairn of rocks packed around or over a tagged one-metre-long steel-peg hammered at least two-thirds of its length (if possible) into the ground. If the use of a metal peg is not considered suitable, then the planting of a concrete block with dimensions approximately 200mm x 200mm x 200mm (and bearing the assigned number of the borehole) in the ground five metres to the north of the borehole must be considered. It is important that each such site be pointed out to at least one and preferably more than one of the contact persons responsible for water supply matters within the community.



PS 1.4 REPORTING AND DOCUMENTATION

The geohydrologist will be required to verify and document the construction parameters of the borehole as well as to log the geological formation encountered in that borehole.

Raw geophysical field data must be recorded on appropriate data sheets. On these must be indicated basic information such as:

- (1) the 1:50 000 scale topo-cadastral map sheet number,
- (2) the drainage basin number at tertiary level,
- (3) the date of the survey,
- (4) the unique identifying number assigned to the survey line,
- (5) the direction of the survey line,
- (6) the coordinates of the start and end points of the survey line,
- (7) the name of the community within which the survey is carried out,
- (8) the name of the district within which the community is located and
- (9) coordinates according to which the geographic position of the community can be identified on a map.

It is further required of the Geohydrologist to present the geophysical field data in a neatly documented graphical format. The positions and identification numbers of marked borehole sites must:

- (1) be indicated on these graphs against their true positions along the survey line, and
- (2) be cross-referenced to the locality map(s). A brief interpretation of the geophysical data leading to the choice of each marked borehole site must be provided in the final technical report compiled by the Geohydrologist.

The Geohydrologist will compile a comprehensive technical report based on the findings and results of the investigation. This would include the outcomes of the desktop review, geophysical investigation, drilling and testing data, analysis, and interpretation, equipping and reticulation design.

PS 1.5 TRAVEL, ACCOMODATION, TRAVEL TIME AND ALL RELATED DISBURSEMENTS

The Contractor shall price for the cost of all travel, accommodation, travel time and all related disbursements incurred by the said geohydrologist. The disbursements include inter-alia: all costs related to acquiring, capturing, and transmitting data, documents, drawings, maps photographs, etc; typing and printing of final reports, drawings, maps, and the like; all communication related costs; laboratory analyses and tests; any special equipment and supplies deemed necessary for use by the Contractor; etc.

The Contractor's price is all inclusive and shall be paid prorata for the number of sites completed.

No additional payments shall be allowed beyond the price as billed by the Contractor.



PS 2 BOREHOLE DRILLING

PS 2.1 DRILLING RIG AND EQUIPMENT (5.2)

The contractor shall always maintain the drilling rig in an efficient working order. The drilling rig and ancillary equipment shall not leak fuel, oil, or any fluid, nor have any negative effect on the environment local to the drill site.

Drilling additives shall:

- a) be non-toxic and biodegradable; and
- b) not contaminate the aquifer or affect its water quality.

PS 2.2 DRILLING

The drilling method will be based on the geological formations as determined by the geo-physical assessment findings. will be encountered.

The schedule of quantities allows for rotary air percussion drilling to be employed on borehole sites with consolidated rock formations. An Extra-over item is allowed for ODEX or Symmetrix drilling in non-consolidated sediments and igneous, metamorphic, and fractured carbonate rocks type formations.

Drilling method	Geological formation
Rotary air percussion	In consolidated rock formations
ODEX or Symmetrix	In non-consolidated sediments and igneous, metamorphic, and fractured carbonate rocks type formations

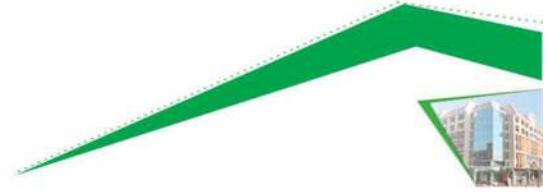
The drilling depth is a re-measurable item and will be paid based on the actual depths at which a sustainable water yield is achieved.

If no water is found (dry hole), then the site will be cancelled, and the Contractor paid for siting and drilling only. The minimum drilling depth at any site should not be less than 50m and not more than 150m.

PS 2.3 DRILLING SUPERVISION

The contractor will function under the direct and full-time on-site supervision of the geohydrologist. The geohydrologist will be responsible for the borehole construction for all aspects of that construction, inclusive of technical and management aspects.

The geohydrologist will be required to verify and document the construction parameters of the borehole as well as to log the geological formation encountered in that borehole.



PS 3 PUMP TEST, WATER SAMPLING AND ANALYSIS

PS 3.1 PUMP TEST

The test pumping will be undertaken under the direct supervision of the geohydrologist. The geohydrologist will be responsible for the required instruction and on-site supervision of the testing of the borehole and for all aspects of the testing of that borehole, inclusive of technical and management aspects.

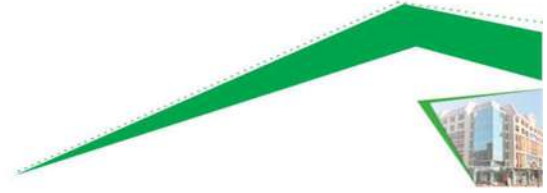
The geohydrologist will be required to verify, document, and interpret test results and make borehole utilisation and pumping recommendations. Payment shall be made according to the type of test performed and per borehole tested. Test pumping will typically be as follows:

Step test (4 x 1 hr duration and 4 hrs maximum recovery or 95% recovered, 24-hour constant discharge test (CDT) and associated recovery (of maximum 24 hrs of 95% recovered).

PS 3.2 WATER SAMPLING

Groundwater sampling during the CDT with laboratory supplied containers and submission within 24 hrs for a SANS 241: 2015 Drinking Water Standards Abbreviated Analysis.

Rate to include for all collection in line with the guidelines, delivery to laboratory, sample test and comprehensive test results. Where water samples are not to satisfactory standard, recommendations for correcting the same to be included in the report from the laboratory.



PS 4 EQUIPPING OF BOREHOLES

PS 4.1 GENERAL

The geohydrologist will be required to verify, document, and interpret test results and make pump and pumping recommendations. The pump specifications will be guided by the sustainable yield, hydraulic head conditions and the water requirements at the site. The geohydrologist will communicate with the Engineer the actual yield achieved, and a decision made prior to equipping the borehole.

All materials must conform to SABS specifications for the products. This includes all items such as piping, tank stands, reservoir tank, all other fittings, borehole pump and control box, etc.

All construction works must conform to the applicable standard specifications and installation requirements as per NBR requirements and manufacturers recommendations. All concrete works to conform to Cement & Concrete Institute standards and recommendations.

PS 4.2 ELECTRICAL PUMPING

The boreholes will be equipped with the site-specific recommended pump. The pump must be able to achieve a pumping rate of 15KL/day and up to 150m head.

The electrical submersible pump will be powered by the available power supply i.e., Eskom or movable generator. This will be as per the respective site requirements detailed in the site-specific schedules. Where electrical pumping is used, the pump motor must be 1,5Kw and standard control box and weather protection.

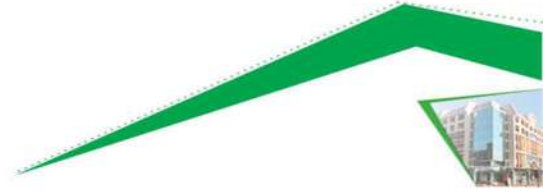
Pump to be supplied with all the installer-determined lengths of 16mm² x 2 core 600/1000V rated PVC/SWA/ECC and 16mm² x 4 core 600/1000V rated PVC/SWA/ECC cables. The pump is to be secured with a heavy-duty nylon safety rope and all associated electrical cables and equipment. An extension cable and protected plug point to enable the connection of a mobile generator must be included with the electrical fittings.

Rate to include all excavation for plumbing and electrical cabling, electrical testing, and the issuing of an Electrical Compliance Certificate.

The submersible pump must be low maintenance and supplied with a detailed operation and maintenance manual (O&M) for community members. This rate shall include the O&M training of the selected community member after the installation. The submersible electric pump must carry a 12-month warranty on all its components.

The borehole pump will be secured in a concrete ring. Galvanized lockable lid to be used to secure control box and pump (Alternative to be discussed with Engineer prior to any installations). The ring or lid to be fitted with ease-of-use lockable box which houses plug lead to prevent the continuous opening and closing of the lid.

Generator - 6.5 KVA with combination battery powered and pull start. The generator must be outfitted with wheels to enable community members to easily push it from its storage to the respective borehole site.



All operation and service manuals to be supplied on commissioning.

PS 4.4 WATER STORAGE & PIPEWORK

The water will be stored in the supplied and installed 200KL, prefabricated steel panel tank on a stand, including all pipework, fittings, and valves. Control valves must be installed on both independent supply lines from the water tank to the tap.

The tank shall:

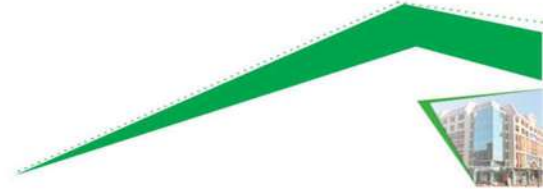
- Have a standard wind rating of 43m/s and carry a minimum of 12-month workmanship and material guarantee and a 10-year no leak warranty for liner.
- Be an Abecco, SBS Tank Comp or similar approved - 200KL.
- Rate shall include Tank Access, Fixed, (Ladders, P/form, Hatch).
- Rate shall include M/Int 100NB; 3ring; S/Mnt; Int Dual Valve adaptor.
- Rate shall include 50NB Balem Level Control Valve.
- Rate shall include Mun O/let 100NB; S/Mnt;Int A/Vrtx Std; DPipe Flange.
- Rate shall include overflow 150NB; 3 Ring; int Bell Mouth; ext DPipe Groved.
- Scour 100NB; Floor Mount; Int Flange; ext. thread.
- Have a Ball Valve; Threaded; 100NB.
- Have a water level indicator, Mechanical, Full Height.
- Have a Ventilator Static - 76 mm.
- Rate shall include transporting of the tank to the Bedford Hospital.
- Rate shall include Commissioning.
- Rate shall include Elevated Tank Stand 15m high.
- Rate shall include Installation, Elevated Tank & Tank Stand.
- Rate shall include Stand Access, Fixed.
- Pipework, Stand - Inlet 100NB, 15m High.
- Pipework, Stand - Outlet 100NB, 15m High.
- Pipework, Stand - Overflow 150NB, 15m High.

PS 4.6 TESTING AND COMMISSIONING OF BOREHOLES

A complete operational test will be performed of the borehole pump and all associated pipes and fittings. The Geohydrologist will be required to be present on site to verify proper functioning of the borehole and to commission each project.

As part of the commissioning phase, the contractor shall provide the final Drilling Test Certificate and Issue certificates on the conditions of the newly drilled borehole. The Drilling Test Certificate shall include details on:

- a) Project details and Contract number.
- b) Contractor and Geohydrologist details.
- c) Pipes, valves, and fittings details.
- d) Drilled depth.
- e) Borehole water-strike depth.



- f) Borehole Coordinates
- g) Blow test yield at each water strike.
- h) Total Depth of casing installed.



PART C4: SITE INFORMATION



C4.1 GENERAL

C4.1.1 Documentation

The documentation included in this section describes the site as at the time of tender to enable the Tenderer to price his tender, furthermore, to decide upon his method of working and programming and to evaluate his risks.

C4.1.2 Information

Only actual information about physical conditions of the site and its surroundings (if any available) is included in this Site Information and the interpretation thereof is a matter for the Tenderer.

C4.1.3 Records and Physical Condition

Refer to the layout drawings in ANNEXURES of the Scope of Works for a graphical overview of the works.

C4.1.4 Services

No formal records are available of the existing services that are above or below ground. The onus therefore is on the tenderer to familiarize themselves with the site and prove all services in the working areas prior to bringing big machinery.

C4.1.5 Fencing of Works

Tenderers are to note that it is a condition of contract that the “site” shall be always fenced and secure. Existing fencing cannot be removed in one go. Rather it must be done in segments, such that the new fencing being erected forms a completely protected area which to prevent unauthorized access. Bidders are to price accordingly.

C4.2 PROJECT LOCATION

Bedford Orthopedic Hospital is a Provincial government funded District hospital for the King Sabata Dalindyebo Local Municipality area in Mandela Park, Eastern Cape in South Africa. The hospital is located at the following Coordinates:

PROJECT SUB-AREA	LATITUDE	LONGITUDE	DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY
Bedford Hospital	31°34'30.28"S	28°42'26.89"E	OR Tambo	King Sabata Dalindyebo



PART C5: ANNEXURES



ANNEXURE 1 – GEOHYDROLOGICAL INVESTIGATIONS REPORT



Bedford Hospital Hydrological Report Groundwater Resource Development Report


Version - Final

08 August 2023

Project Number: iLZ_23_073



**Report
Version -Final****08 August 2023****DOCUMENT ISSUE STATUS**

Report Issue	Technical Report			
Reference Number	iLZ_23_073			
Client Reference	FMA Consulting Engineers			
Title	Bedford Hospital Hydrogeological Report - Groundwater Source Development			
	Name	Professional Registration	Signature	Date
Author	Mzikayise Nkwane (Pr.Sci.Nat)	SACNASP - 009499		07 August 2023
Document Reviewer	Sphesihle Mdlalose (Pr.Sci.Nat)	SACNASP - 008735		08 August 2023

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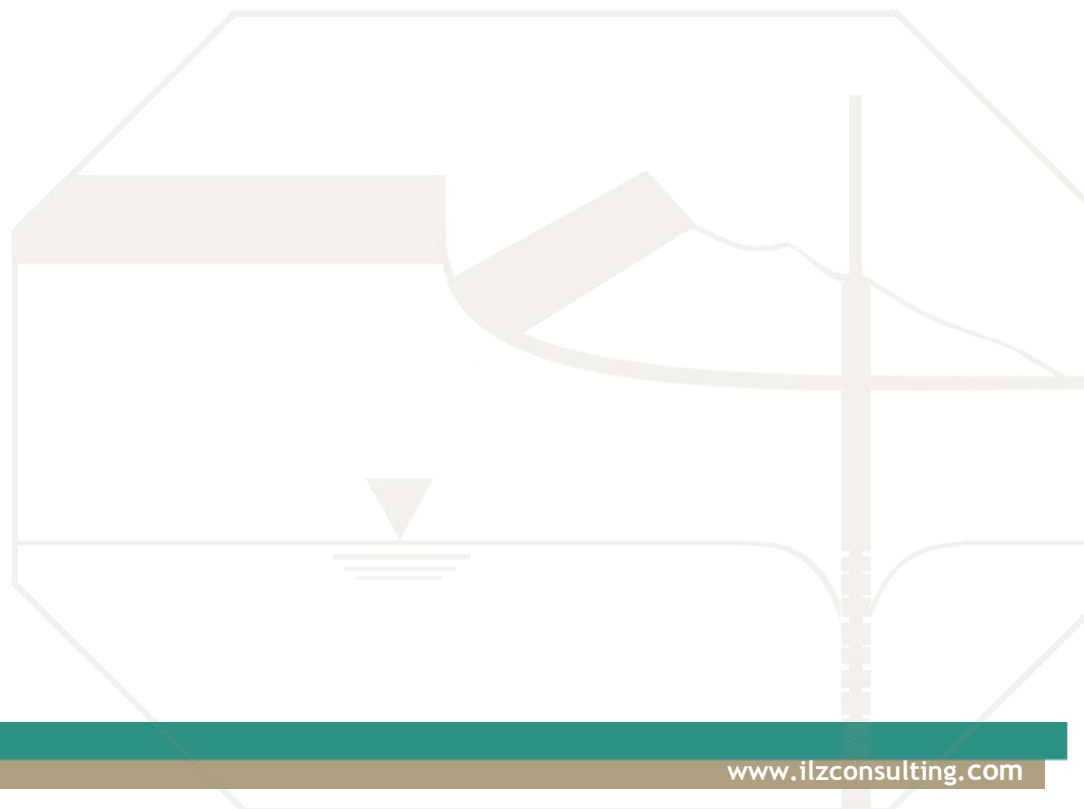
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1 INTRODUCTION

Ilanga Lezintaba Zolwandle Consultign (Pty) Ltd hereafter referred to as ILZ, was appointed by FMA to conduct a hydrogeological investigation and groundwater source development at the Bedford Hospital located in the King Sabata Dalindyebo Local Municipality of the O.R. Tambo District Municipality, within the Eastern Cape Province.

This report provides a detailed groundwater feasibility assessment, borehole siting and recommendations for Dlenyane Combined School.

1.1 Scope of the investigation

The following scope of works is proposed based on hydrogeological investigation methodologies for groundwater development and knowledge of the terrain from previous projects executed in the direct vicinity of the project area:

Groundwater Source Development

- Sourcing & review and evaluate existing geological-, geohydrological and geotechnical data.
- Sourcing and review and evaluation of existing boreholes and water sources.
- Remote sensing, mapping and potential determination.
- Review of existing regional water quality trends.
- On-site verification of drill targets and accessibility to drill sites identified in desktop and selection of additional high ground water potential zones (if present).
- Delineation of target structures and selection of drilling positions, by means of Industry recognised geophysical techniques, i.e. EM-34 and Magnetometer.
- Selection of two (2) drilling sites.
- Final report discussing findings and drilling recommendations.

1.2 Location of the project area

The Bedford Hospital is located approximately 7.5 km northwest of the town of Mthatha in King Sabata Dalindyebo Local Municipality of the O.R. Tambo District Municipality, within the Eastern Cape Province. The project area is located within quaternary catchment T20C of the Mzimvubu to Keiskamma Water Management Area (WMA). The regional locality of the study area is indicated in **Figure 1-1** below.

The central point of the Bedford Hospital is roughly defined by the following coordinate (WGS84 Geographic Projection):

- Latitude: -31.576059° S
- Longitude: 28.707551° E



Figure 1-1: Locality of project area

2 DESKTOP STUDY

2.1 Geological Setting

According to the 1:250 000 scale 3128 geological map of Umtata (1979), the project area is predominantly underlain by the Katberg Formation (TRk), which forms part of the Tarakstad Subgroup of the Beaufort Group. A dolerite (Jd) sill is located approximately 700 m northeast of the Bedford Hospital, while three dolerite dykes occur approximately 1 km west, 850 m southwest and 1.3 km south of the hospital. The Katberg Formation consists of sandstone, as well as brownish-red and grey mudstone.

The regional surface geology of the study area is indicated in **Figure 2-1**.

2.2 Hydrogeological Setting

According to the 1:500 000 scale 3126 hydrogeological map of Queenstown (1997), the project area is predominantly underlain by arenaceous rocks such as sandstone, feldspathic sandstone and arkose sandstone becoming quartzitic in places. Successful boreholes within the project area are expected to yield 0.5 – 2.0 l/s from the fractured and intergranular aquifers that occur within this area. Fractures associated with dolerite intrusions (dykes and sills) can be targeted for groundwater development.

An electrical conductivity (EC) of 300 – 1000 mS/m can be expected for the groundwater of the study area. According to the Groundwater Resource Assessment Phase II (GRAII) Study by Middleton and Bailey (2011) the groundwater of quaternary catchment T20C has an average total dissolved solids (TDS) content of 190.83 mg/l. The same study states that the aquifer underlying the study area has an average transmissivity of 175 m²/d. Quaternary catchment T20C also has a mean annual precipitation of 685 mm/a and a recharge rate of 5.3774% (Middleton & Bailey, 2011).

Based on the available information for expected yields and groundwater quality for the study area fractured type aquifers directly underlying the study area is deemed to be a Non-aquifer (**Table 2-1 below**).

Table 2-1: Aquifer Classification

Aquifer System	Defined by Parsons (1995)	Defined by DWAF Min Requirements (1998)
Sole Source Aquifer	An aquifer which is used to supply 50 % or more of domestic water for a given area, and for which there are no reasonably available alternative sources should the aquifer be impacted upon or depleted. Aquifer yields and natural water quality are immaterial.	An aquifer, which is used to supply 50% or more of urban domestic water for a given area for which there are no reasonably available alternative sources should this aquifer be impacted upon or depleted.
Major Aquifer	High permeable formations usually with a known or probable presence of significant fracturing. They may be highly productive and able to support large abstractions for public supply and other purposes. Water quality is generally very good (<150 mS/m).	High yielding aquifer (5-20 L/s) of acceptable water quality.
Minor Aquifer	These can be fractured or potentially fractured rocks, which do not have a high primary permeability or other formations of variable permeability. Aquifer extent may be limited and water quality variable. Although these aquifers seldom produce large quantities of water, they are important both for local supplies and in supplying base-flow for rivers.	Moderately yielding aquifer (1-5 L/s) of acceptable quality or high yielding aquifer (5-20 L/s) of poor-quality water.
Non-Aquifer	These are formations with negligible permeability that are generally regarded as not containing groundwater in exploitable quantities. Water quality may also be such that it renders the aquifer as unusable. However, groundwater flow through such rocks, although imperceptible, does take place, and need to be considered when assessing the risk associated with persistent pollutants.	Insignificantly yielding aquifer (< 1 L/s) of good quality water or moderately yielding aquifer (1-5 L/s) of poor quality or aquifer which will never be utilised for water supply, and which will not contaminate other aquifers.
Special Aquifer	An aquifer designated as such by the Minister of Water Affairs, after due process.	An aquifer designated as such by the Minister of Water Affairs, after due process.

2.3 Existing Borehole Data

The information of all existing boreholes located within an approximate 2 km radius from the Bedford Hospital was sourced from the National Groundwater Archive (NGA) database. The details of these boreholes (depth, water level and yield) can be used to further characterize the aquifers located within the study area. The available information suggests the existence of seven boreholes within an approximate 2 km radius of the hospital.

The information for these seven boreholes is indicated in **Table 2-2**. The locations of the boreholes are also indicated in **Figure 2-2**.

Table 2-2: Existing Borehole Data

Project Borehole No.	Quaternary Catchment	Latitude	Longitude	Depth	Water level	Yield	Date Measured	Comments
		°S	°E	mbgl	mbgl	l/s	yyyy/mm/dd	
EC-T20-0853	T20C	-31.55794	28.70774	-	-	-	2008/09/03	Submersible Pump
3128DA00008	T20C	-31.56388	28.69159	123.44	19.51	0.21	1931/08/01	
3128DA00092	T20C	-31.56804	28.70020	120	29.87	0.15	1960/05/04	Positive Displacement
EC-T20-0954	T20C	-31.57733	28.70605	-	-	-	2008/10/14	Mono Pump
3128DA00210	T20C	-31.58137	28.71131	56	19	-	2002/11/01	
EC-T20-0955	T20C	-31.58114	28.71172	-	-	-	-	
EC-T20-0958	T20C	-31.58462	28.71809	-	-	0.01	2008/10/16	

Groundwater level and borehole depth information could be obtained from the NGA database for three of the boreholes suggested to occur within a 2 km radius of the Bedford Hospital. Although two of the three measurements are outdated, it is suggested that the average borehole depth for the area is 100 mbgl, while the average groundwater level is 68.38 mbgl. Yield information could also be obtained for three of the NGA boreholes, suggesting that the average yield for the area is 0.123 l/s

It is recommended that the existence of the boreholes suggested to occur within a 2 km radius of the Bedford Hospital by conducting another site visit. The depths of the boreholes, as well as their water levels and yields should also be measured.



Figure 2-1: Regional Surface Geology Map

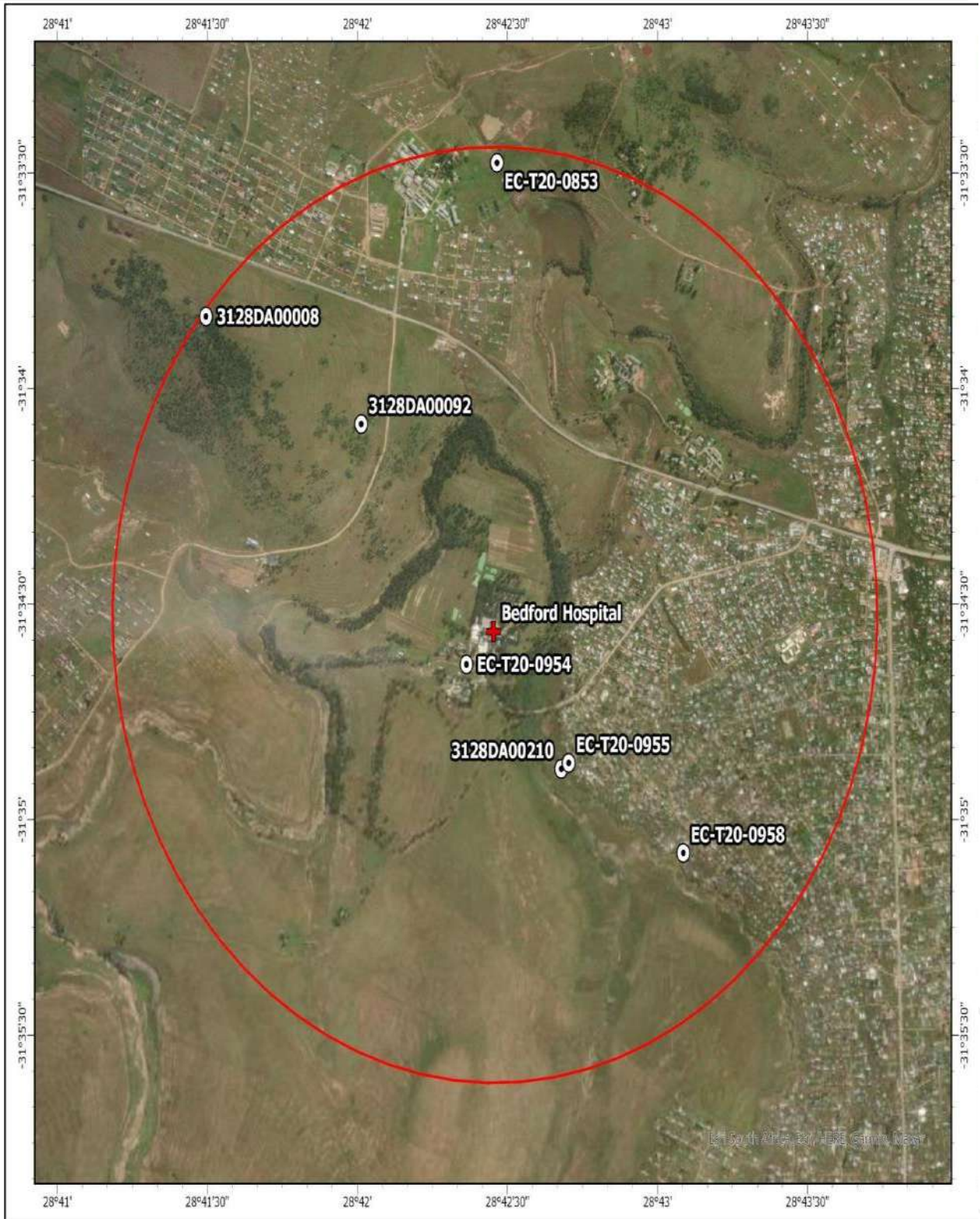


Figure 2-2: NGA Existing Borehole Locations Map

3 GROUNDWATER RESOURCE DEVELOPMENT

3.1 Geophysical Survey

The geophysical survey involved the use of proton magnetometer and Audio Magnetotellurics (ADMT-600SX-32D) equipment along three specified lines across the study area. The orientation of these three lines were selected to target possible geological structures, which could be favourable for groundwater development, and identify drilling target areas. The details regarding the four geophysical survey lines are indicated in **Table 3-1**, while the locations of these lines are also indicated in **Figure 3-1**.

(See **APPENDIX A** for the GEOPHYSICAL PROFILE DATA)

Table 3-1: Geophysical Survey Summation

Geophys. Line ID	Length m	Orientation	Methods Used	Start Coordinates (A)		End Coordinates (B)	
				° S	° E	° S	° E
Line 1	155	S – N	MAG & AMT	-31.577760	28.708430	-31.576520	28.708850
Line 2	190	S – N	MAG & AMT	-31.575940	28.709630	-31.574220	28.709700
Line 3	155	SE - NW	MAG & AMT	-31.574667	28.710059	-31.574050	28.708750

3.2 Drill Site Identification

Proposed drilling positions were determined according to geophysical anomalies, identified during the geophysical survey, which are associated with possible geological structures and preferential pathways for groundwater flow. The main geological features that were targeted included areas where the underlying lithology of the study area experienced increased weathering and areas (such as dolerite dyke zones) where increased fracturing of the underlying lithology of the study area is expected.

Two potential drilling positions were identified, with the details of the proposed drilling sites and their priority indicated in **Table 3-2**. The locations of the proposed drilling positions are also indicated in **Figure 3-1**.

Table 3-2: Proposed Drilling Positions

Site ID	Geophys. Line ID	Site Priority	Site selected			Geological Target	Recommended Drilling Depth (mbgl)
			Station no. (m)	Position			
				Latitude	Longitude		
3-60	Line 3	1	60	-31.574403°	28.709521°	Fractured and increased weathering zone	120
1-58	Line 1	2	58	-31.577305°	28.708711°	Fractured and increased weathering zone	120

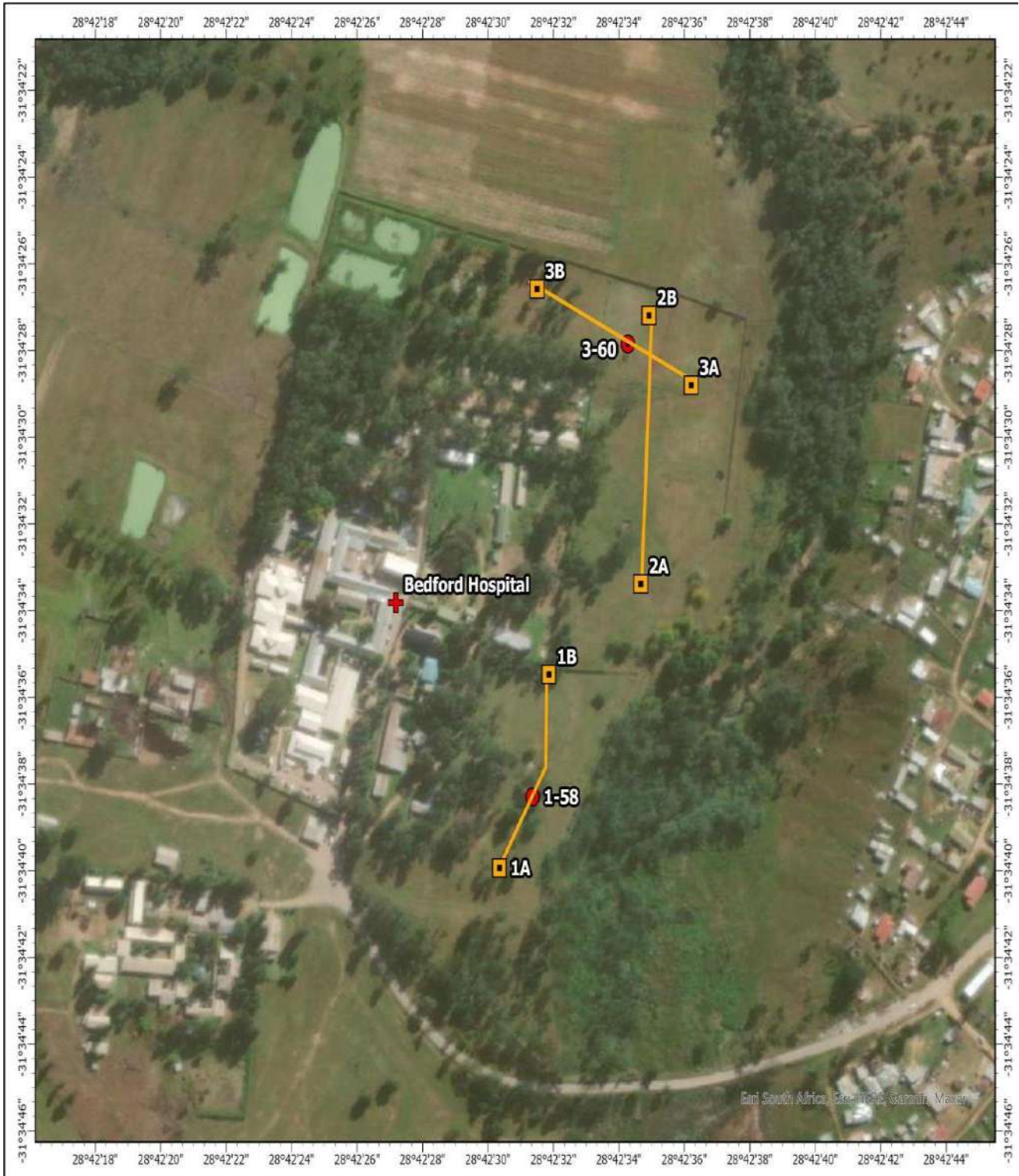
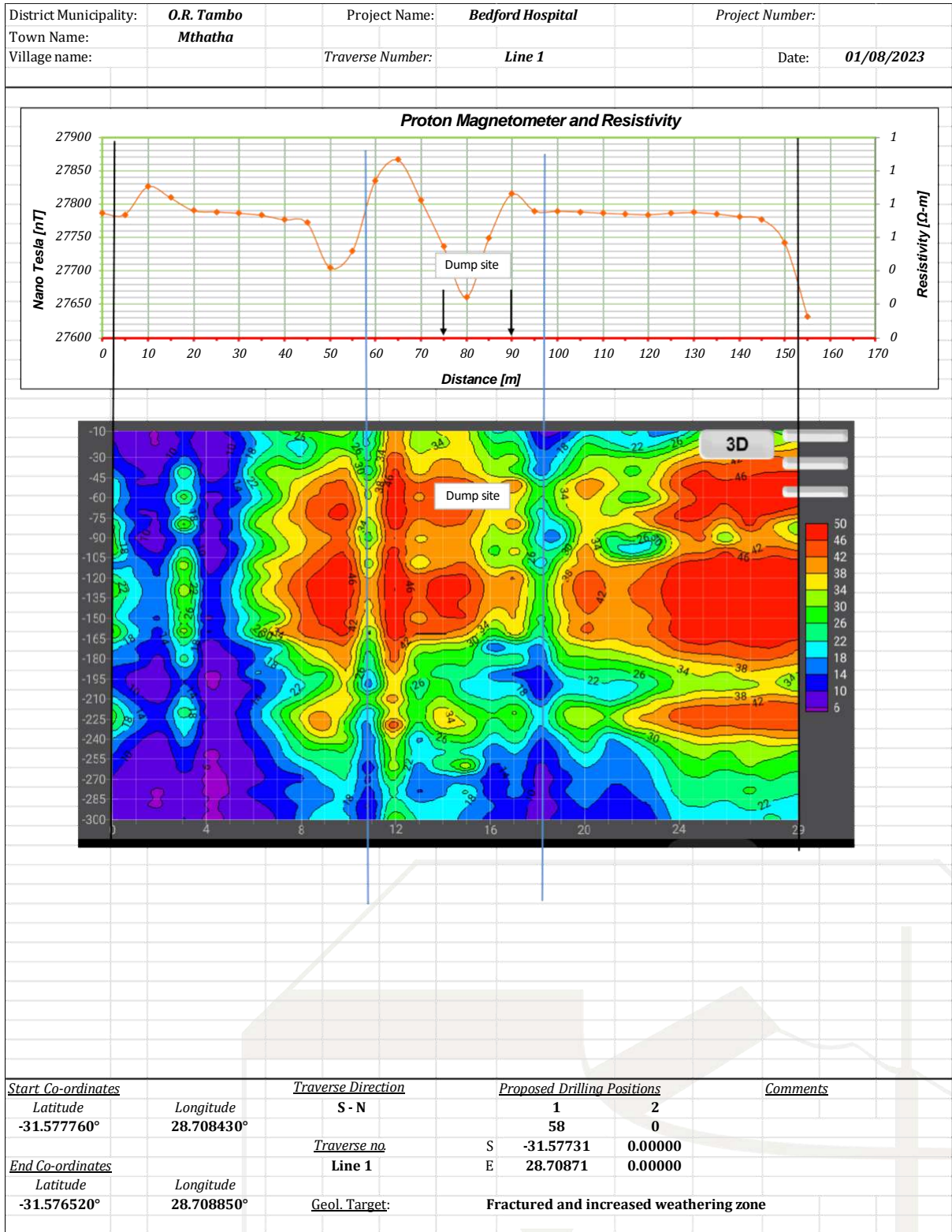


Figure 3-1: Geophysics & Proposed Drilling Positions Map

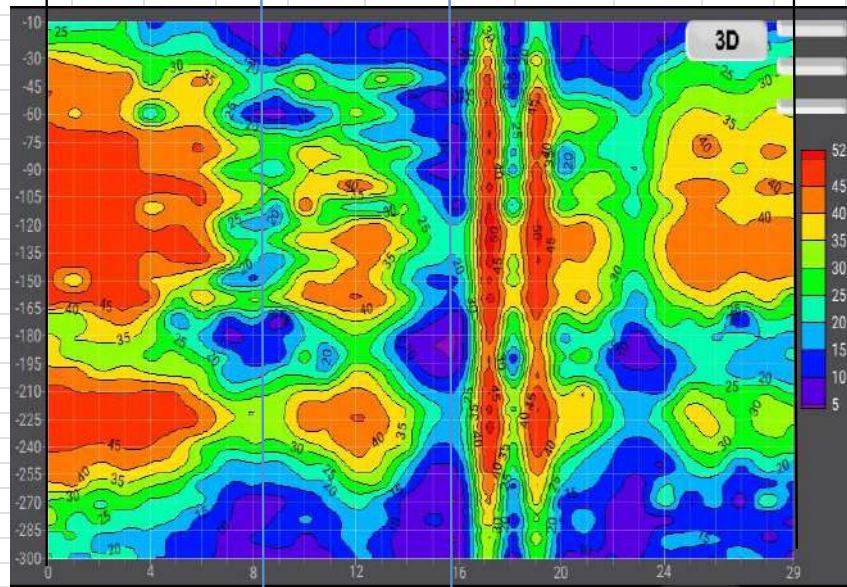
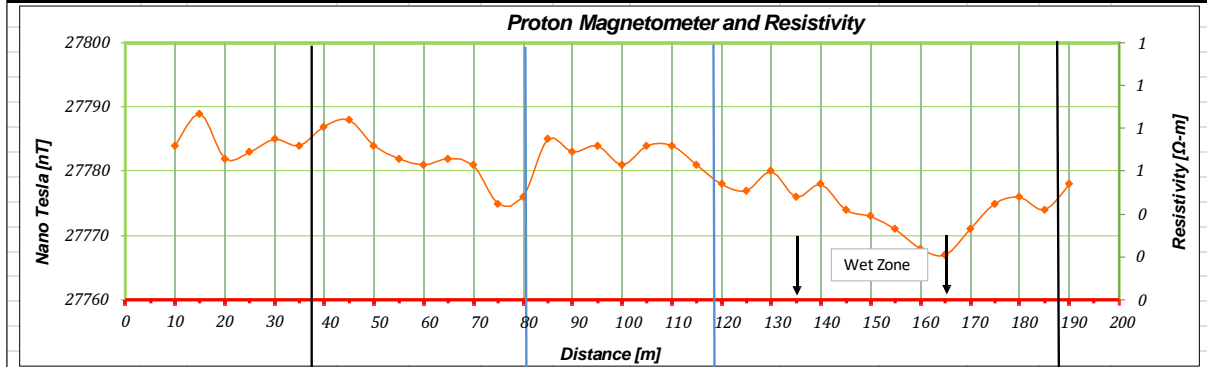
4 CONCLUSIONS

- ILZ was appointed by FMA to conduct a hydrogeological investigation and groundwater source development at the Bedford Hospital.
- The Bedford Hospital is located approximately 7.5 km northwest of the town of Mthatha in King Sabata Dalindyebo Local Municipality of the O.R. Tambo District Municipality, within the Eastern Cape Province.
- The project area is located within quaternary catchment T20C of the Mzimvubu to Keiskamma WMA.
- The project area is predominantly underlain by the Katberg Formation.
- A dolerite sill is located approximately 700 m northeast of the Bedford Hospital, while three dolerite dykes occur approximately 1 km west, 850 m southwest and 1.3 km south of the hospital.
- The project area is predominantly underlain by arenaceous rocks such as sandstone, feldspathic sandstone and arkose sandstone becoming quartzitic in places.
- Successful boreholes within the project area are expected to yield 0.5 – 2.0 l/s from the fractured and intergranular aquifers that occur within this area.
- Fractures associated with dolerite intrusions (dykes and sills) can be targeted for groundwater development.
- An EC of 300 – 1000 mS/m and an average TDS of 190.83 mg/l can be expected for the groundwater of the study area.
- NGA data suggested the existence of seven boreholes within a 2 km radius of the Bedford Hospital.
- The information of these existing boreholes suggested the average borehole depth for the area is 100 mbgl, while the average groundwater level is 68.38 mbgl.
- The information also suggested that the average yield for the area is 0.123 l/s.
- A geophysical survey was conducted to identify possible geological structures, which could be favourable for groundwater development.
- Proposed drilling positions were determined according to geophysical anomalies, identified during the geophysical survey.
- Two potential drilling positions were identified.

5 GEOPHYSICAL PROFILE DATA

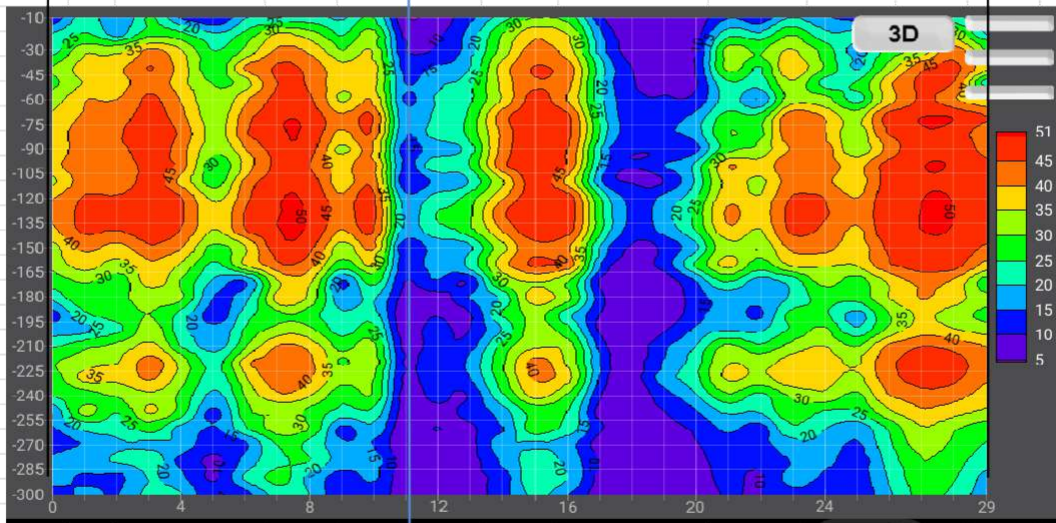
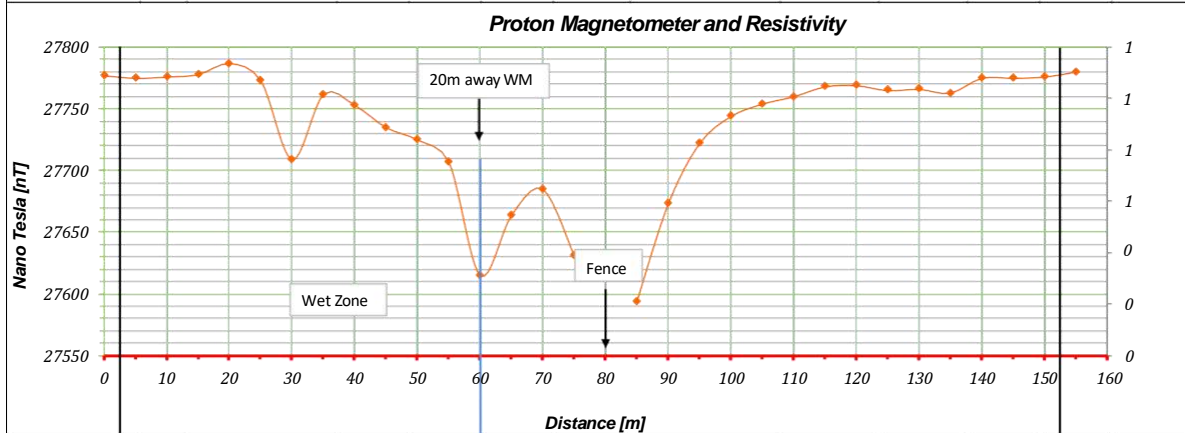


District Municipality:	O.R. Tambo	Project Name:	Bedford Hospital	Project Number:	
Town Name:	Mthatha	Traverse Number:	Line 2	Date:	01/08/2023
Village name:					

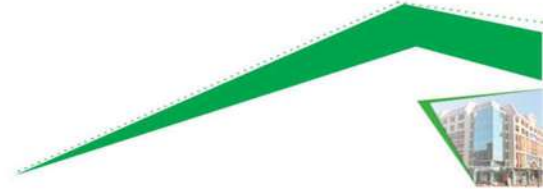


<u>Start Co-ordinates</u>		<u>Traverse Direction</u>	<u>Proposed Drilling Positions</u>		<u>Comments</u>
<i>Latitude</i>	<i>Longitude</i>	S - N	1	2	
31.575940	28.709630		0	0	
		<i>Traverse no</i>	S	0.00000	0.00000
		Line 2	E	0.00000	0.00000
<u>End Co-ordinates</u>		<u>Geol. Target:</u>			
<i>Latitude</i>	<i>Longitude</i>				
31.57422	28.709700				

District Municipality:	O.R. Tambo	Project Name:	Bedford Hospital	Project Number:	
Town Name:	Mthatha	Traverse Number:	Line 3	Date:	01/08/2023
Village name:					



<u>Start Co-ordinates</u>		<u>Traverse Direction</u>	<u>Proposed Drilling Positions</u>		<u>Comments</u>
Latitude	Longitude	SE - NW	1	2	
-31.574667°	28.710059°		60	0	
<u>End Co-ordinates</u>		<u>Traverse no.</u>	S	-31.57440	0.00000
Latitude	Longitude	Line 3	E	28.70952	0.00000
-31.574050°	28.708750°	Geol. Target:	Fractured and increased weathering zone		



ANNEXURE 2 - LIST OF DRAWINGS

The following drawings/annexure shall be issued during the bid period to form part of the bid documentation. Where applicable, drawings/annexure could be re-issued to the Contractor at commencement of the construction phase.

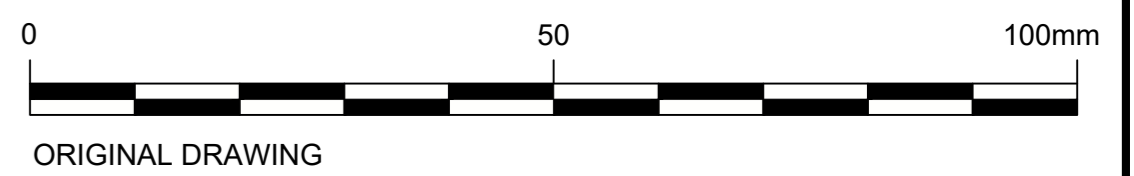
K049.3-W0A-100	Water General Layout
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SITE LAYOUT PLAN
SCALE 1:1000

KEY	
	Potential Borehole Png
	SEWER WATER TANK
	HOSPITAL SITE BOUNDARY

FOR TENDER



ISSUED FOR APPROVAL	DATE	CHECKED	APPROVED
A	20/07/2023	T. GOOLI	H. FUYANA
DESCRIPTION OF REVISION(S)			

DESIGNED	C. MACHINGURA
CHECKED	H. FUYANA
DRAWN	C. MACHINGURA
CHECKED	H. FUYANA
PROJECT ENGINEER	HLOSOKUHLE FUYANA
REGISTRATION NO.:	201670323

PHYSICAL ADDRESS:
18 YORK ROAD
GILLITTS
3610

TEL: (031) 764 2763
FAX: (086) 542 4084
e-mail: admin@fmaengineers.co.za



H. FUYANA
(REGISTRATION NO.: 201670323) SIGNATURE: _____

PHYSICAL ADDRESS:
QHASHANA BUILDING
INDEPENDENCE AVE
BHISHO, EC

TEL: (040) 602 4000

ON BEHALF OF CLIENT: NAME: _____ SIGNATURE: _____



PROJECT/DRAWING TITLE
**EASTERN CAPE DEPARTMENT OF PUBLIC WORKS
BEDFORD HOSPITAL WW**

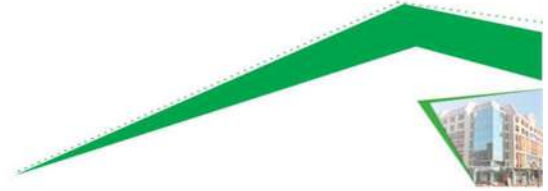
SITE LAYOUT PLAN

SCALE: 1:500	CONTRACT No. T.B.C
SHEET OF 1 OF 1	PROJECT No. K049.3
DRAWING No.	K049.3-W0A-100
REVISION	A



ANNEXURE 3 - CONSTRUCTION HEALTH AND SAFETY

AWARDED TENDERER TO COMPLY WITH ALL OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS



ANNEXURE 4 - EPWP SPECIFICATION

EPWP SPECIFICATION
AWARDED TENDERER WILL BE REQUIRED TO ADHERE TO ALL
EPWP SPECIFICATIONS AND REQUIREMENTS.
FOR FULL SPECIFICATIONS AND REQUIREMENTS VISIT
www.epwp.gov.za