



KZN Health > Components > Supply Chain Management

AdvertQuote



## Quotation Advert

Opening Date:	2022-08-30	
Closing Date:	2022-09-08	
Closing Time:	11:00	

### INSTITUTION DETAILS

Institution Name:	KwaDabeka CHC	▾
Province:	KwaZulu-Natal	
Department or Entity:	Department of Health	
Division or section:	Central Supply Chain Management	
Place where goods / services is required	Maphephetheni Clinic	
Date Submitted	2022-08-29	

### ITEM CATEGORY AND DETAILS

Quotation Number:	ZNQ: DAB/280/22-23	
Item Category:	Services	▾
Item Description:	Construction of the Retaining Wall At Maphephetheni Clinic NB: Contractors to come 15 minutes early before the meeting starts.	
Quantity (if supplies)		

### COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type:	Compulsory Briefing Session	▾
Date :	2022-09-02	
Time:	11H00	
Venue:	Maphephetheni Clinic	

QUOTES CAN BE COLLECTED FROM: the Website (Downloadable) & 04 Khululeka Drive, KwaDabeka Township

QUOTES SHOULD BE DELIVERED TO: 04 Khululeka Drive, KwaDabeka Township - Tender Box Only

### ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name:	Simphiwe Mthiyane
Email:	Simphiwe.Mthiyane@kznhealth.gov.za
Contact Number:	031 714 3762
Finance Manager Name:	Mrs. S.H. Zondi
Finance Manager Signature:	

No late quotes will be considered







## GENERAL CONDITIONS OF CONTRACT

### 1. AMENDMENT OF CONTRACT

- 1.1. Any amendment to or renunciation of the provisions of the contract shall at all times be done in writing and shall be signed by both parties.

### 2. CHANGE OF ADDRESS

- 2.1. Bidders must advise the Department of Health (institution where the offer was submitted) should their address (*domicilium citandi et executandi*) details change from the time of bidding to the expiry of the contract.

### 3. GENERAL CONDITIONS ATTACHED TO THIS QUOTATION

- 3.1. The Department is under no obligation to accept the lowest or any quote.
- 3.2. The Department reserves the right to communicate in writing with vendors in cases where information is incomplete or where there are obscurities regarding technical aspects of the offer, to obtain confirmation of prices or preference claims in cases where it is evident that a typing, written, transfer or unit error has been made, to investigate the vendor's standing and ability to complete the supply/service satisfactorily.
- 3.3. **ALL DECISIONS TAKEN BY THE DEPARTMENT ARE FINAL, INCLUDING THE AWARD OR CANCELLATION OF THIS QUOTATION.**
- 3.4. The price quoted must include VAT (if VAT vendor).
- 3.5. Should a bidder become a VAT vendor after award or during the implementation of a contract, they may not request the VAT percentage from the Department as the service provider made an offer during the period they were not registered as a VAT vendor. The Department is only liable for any VAT from registered VAT vendors as originally stated on the quotation document.
- 3.6. The bidder must ensure the correctness & validity of the quotation:
- (i) *that the price(s), rate(s) & preference quoted cover all for the work/item (s) & accept that any mistakes regarding the price (s) & calculations will be at the bidder's risk*
- (ii) *it is the responsibility of the bidder to confirm receipt of their quotation and to keep proof thereof.*
- 3.7. The bidder must accept full responsibility for the proper execution & fulfilment of all obligations conditions devolving on under this agreement, as the Principal (s) liable for the due fulfilment of this contract.
- 3.8. This quotation will be evaluated based on the 80/20 points system, specification, correctness of information and/or functionality criteria. All required documentation must be completed in full and submitted.
- 3.9. Offers must comply strictly with the specification.
- 3.10. Only offers that meet or are greater than the specification will be considered.
- 3.11. Late offers will not be considered.
- 3.12. Expired product/s will not be accepted. All products supplied must be valid for a minimum period of six months.
- 3.13. Used/ second-hand products will not be accepted.
- 3.14. A bidder not registered on the Central Suppliers Database or whose verification has failed will not be considered.
- 3.15. All delivery costs must be included in the quoted price for delivery at the prescribed destination.
- 3.16. Only firm prices will be accepted. Such prices must remain firm for the contract period. Non-firm prices (including rates of exchange variations) will not be considered.
- 3.17. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point.
- 3.18. In the event of a bidder having multiple quotes, only the cheapest according to specification will be considered.
- 3.19. Verification will be conducted to identify if bidders have multiple companies and are cover-quoting for this bid.
- 3.20. In such instances, the Department reserves the right to immediately disqualify such bidders as cover-quoting is an offence that represents both corruption and acquisition fraud.

### 4. SPECIAL INSTRUCTIONS AND NOTICES TO BIDDERS REGARDING THE COMPLETION OF THIS QUOTATION.

- 4.1. Unless inconsistent with or expressly indicated otherwise by the context, the singular shall include the plural and vice versa and with words importing the masculine gender shall include the feminine and the neuter.
- 4.2. Under no circumstances whatsoever may the quotation/bid forms be retyped or redrafted. Photocopies of the original bid documentation may be used, but an original signature must appear on such photocopies.
- 4.3. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
- 4.4. Quotations submitted must be complete in all respects. However, where it is identified that information in a bidder's response, which does not affect the preference points or price, is incomplete in any respect, the said supplier meets all specification requirements and scores the highest points in terms of preference points and price, the Department reserves the right to request the bidder to complete/ submit such information.
- 4.5. Any alteration made by the bidder must be initialled; failure to do so may render the response invalid.
- 4.6. Use of correcting fluid is prohibited and may render the response invalid.
- 4.7. Quotations will be opened in public as soon as practicable after the closing time of quotation.
- 4.8. Where practical, prices are made public at the time of opening quotations.
- 4.9. If it is desired to make more than one offer against any individual item, such offers should be given on a photocopy of the page in question. Clear indication thereof must be stated on the schedules attached.

4.10. The Department is under no obligation to pay suppliers in part for work done if the supplier can no longer for fulfill their obligation.

**5. SPECIAL INSTRUCTIONS REGARDING HAND DELIVERED QUOTATIONS**

- 5.1. Quotation shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the quotation documents.
- 5.2. Each quotation shall be addressed in accordance with the directives in the quotation documents and shall be lodged in a separate sealed envelope, with the name and address of the bidder, the quotation number and closing date indicated on the envelope. The envelope shall not contain documents relating to any quotation other than that shown on the envelope. If this provision is not complied with, such quotations/bids may be rejected as being invalid.
- 5.3. All quotations received in sealed envelopes with the relevant quotation numbers on the envelopes are kept unopened in safe custody until the closing time of the quotation/bids. Where, however, a quotation is received open, it shall be sealed. If it is received without a quotation/bid number on the envelope, it shall be opened, the quotation number ascertained, the envelope sealed and the quotation number written on the envelope.
- 5.4. A specific box is provided for the receipt of quotations, and no quotation found in any other box or elsewhere subsequent to the closing date and time of quotation will be considered.
- 5.5. No quotation/bid sent through the post will be considered if it is received after the closing date and time stipulated in the quotation documentation, and proof of posting will not be accepted as proof of delivery.
- 5.6. Quotation documents must not be included in packages containing samples. Such quotations may be rejected as being invalid.

**6. SAMPLES**

- 6.1. In the case of the quote document stipulating that samples are required, the supplier will be informed in due course when samples should be provided to the institution. (This decreases the time of safety and storage risk that may be incurred by the respective institution). The bidders sample will be retained if such bidder wins the contract.
  - (i) If a company/s who has not won the quote requires their samples, they must advise the institution in writing of such.
  - (ii) If samples are not collected within three months of close of quote the institution reserves the right to dispose of them at their discretion.
- 6.2. **Samples must be made available when requested in writing or if stipulated on the document.**
  - (i) If a Bidder fails to provide a sample of their product on offer for scrutiny against the set specification when requested, their offer will be rejected. All testing will be for the account of the bidder.

**7. COMPULSORY SITE INSPECTION / BRIEFING SESSION**

7.1. Bidders who fail to attend the compulsory meeting will be disqualified from the evaluation process.

- (i) The institution has determined that a compulsory site meeting  will  take place
- (ii) Date 02 / 09 / 2022 Time 11 : 00 Place Maphephetheni Clinic

Institution Stamp:	Institution Site Inspection / briefing session Official  Full Name: .....  Signature: .....  Date: .....
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**8. STATEMENT OF SUPPLIES AND SERVICES**

8.1. The contractor shall, when requested to do so, furnish particulars of supplies delivered or services executed. If he/she fails to do so, the Department may, without prejudice to any other rights which it may have, institute inquiries at the expense of the contractor to obtain the required particulars.

**9. SUBMISSION AND COMPLETION OF SBD 6.1**

9.1. Should a bidder wish to qualify for preference points they must complete a SBD 6.1 document. Failure by a bidder to provide all relevant information required, will result in such a bidder not being considered for preference point's allocation. The preferences applicable on the closing date will be utilized. Any changes after the closing date will not be considered for that particular quote.

**10. TAX COMPLIANCE REQUIREMENTS**

- 10.1. In the event that the tax compliance status has failed on CSD, **it is the suppliers' responsibility to provide a SARS pin in order for the institution to validate the tax compliance status of the supplier.**
- 10.2. In the event that the institution cannot validate the suppliers' tax clearance on SARS as well as the Central Suppliers Database, **the quote will not be considered and passed over as non-compliant according to National Treasury Instruction Note 4 (a) 2016/17.**

## 11. TAX INVOICE

11.1. A tax invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:

- |  |  |
|--|--|
| (i) the name, address and registration number of the supplier;                           | (iv) a description and quantity or volume of the goods or services supplied; |
| (ii) the name and address of the recipient;  | (v) the official department order number issued to the supplier;             |
| (iii) an individual serialized number and the date upon which the tax invoice is issued; | (vi) the value of the supply, the amount of tax charged;                     |
|  | (vii) the words tax invoice in a prominent place.                            |

## 12. PATENT RIGHTS

The supplier shall indemnify the **KZN Department of Health** (hereafter known as the purchaser) against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

## 13. PENALTIES

- 13.1. If at any time during the contract period, the service provider is unable to perform in a timely manner, the service provider must notify the institution in writing/email of the cause of and the duration of the delay. Upon receipt of the notification, the institution should evaluate the circumstances and, if deemed necessary, the institution may extend the service provider's time for performance.
- 13.2. In the event of delayed performance that extends beyond the delivery period, the institution is entitled to purchase commodities of a similar quantity and quality as a substitution for the outstanding commodities, without terminating the contract, as well as return commodities delivered at a later stage at the service provider's expense.
- 13.3. Alternatively, the institution may elect to terminate the contract and procure the necessary commodities in order to complete the contract. In the event that the contract is terminated the institution may claim damages from the service provider in the form of a penalty. The service provider's performance should be captured on the service provider database in order to determine whether or not the service provider should be awarded any contracts in the future.
- 13.4. If the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance.

## 14. TERMINATION FOR DEFAULT

- 14.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (i) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract,
  - (ii) if the supplier fails to perform any other obligation(s) under the contract; or
  - (iii) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 14.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services.
- 14.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

## 15. THE DEPARTMENT RESERVES THE RIGHT TO PASS OVER ANY QUOTATION WHICH FAILS TO COMPLY WITH THE ABOVE.

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017**

This preference form must form part of all quotes invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

**1. GENERAL CONDITIONS**

- 1.1 The following preference point systems are applicable to all quotes:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- 1.2 The value of this quote is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.
- 1.3 Points for this quote shall be awarded for:
- (a) Price; and
  - (b) B-BBEE Status Level of Contributor.
- 1.4 The maximum points for this quote is allocated as follows:

	<b>POINTS</b>
<b>PRICE</b>	80
<b>B-BBEE STATUS LEVEL OF CONTRIBUTOR</b>	20
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the quote, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a quote is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.
- 2. DEFINITIONS**
- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
  - (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
  - (c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
  - (d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
  - (e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
  - (f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
  - (g) **"prices"** includes all applicable taxes less all unconditional discounts;
  - (h) **"proof of B-BBEE status level of contributor"** means:
    - 1) B-BBEE Status level certificate issued by an authorized body or person;
    - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
    - 3) Any other requirement prescribed in terms of the B-BBEE Act;
  - (i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
  - (j) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

**3. POINTS AWARDED FOR PRICE**

**3.1 THE 80/20 PREFERENCE POINT SYSTEMS**

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

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \text{ Where}$$

- P<sub>s</sub> = Points scored for price of bid under consideration
- P<sub>t</sub> = Price of bid under consideration
- P<sub>min</sub> = price of lowest acceptable bid

**4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR**

4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

**5. BID DECLARATION**

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

**6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1**

6.1 B-BBEE Status Level of Contributor: = .....(maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

**7. SUB-CONTRACTING applicable box)**

(Tick

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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7.1 Will any portion of the contract be sub-contracted?

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted..... %
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....

8. Whether the sub-contractor is an EME or QSE

(Tick applicable box)

iv) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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Designated Group: An EME or QSE which is at least 51% owned by:	EME	QSE
Black people	√	√
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

9. **DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm:.....

9.2 VAT registration number:.....

9.3 Company registration number:.....

9.4 TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....  
.....

9.6 COMPANY CLASSIFICATION [TICK APPLICABLE BOX]

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

9.7 Total number of years the company/firm has been in business:.....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

<p>WITNESSES</p> <p>1. ....</p> <p>2. ....</p>
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<p>.....</p> <p>SIGNATURE(S) OF BIDDERS(S)</p> <p>DATE: .....</p> <p>ADDRESS.....</p> <p>.....</p> <p>.....</p>
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health  
Department:  
Health  
PROVINCE OF KWAZULU-NATAL

## SCOPE OF WORK AND SPECIFICATION

Construction of the retaining wall

AT

Maphephethini Clinic

DEPARTMENT OF HEALTH

ZNQ No:.....

PROVINCE OF KWAZULU-NATAL  
DEPARTMENT OF HEALTH

ZNQ .....  
Maphephetheni Clinic  
Services: Construction of the retaining wall

PROJECT SPECIFICATIONS

1.1 SCOPE OF CONTRACT

- o Construction of the retaining wall

1.2 CONTRACT DRAWINGS

This quotation document is to be read in conjunction with the drawings listed below which is issued together with this document.

Drawing No: 01

These drawings may be updated from time to time during the course of the Contract, and the Contractor must ensure at the time of the installation that he has the latest copy of all drawings. No claim will be considered for work, which requires to be changed due to the use of outdated drawings.

1.3 CONDITIONS OF CONTRACT AND PRELIMINARIES

1.3.1 PERIOD OF CONTRACT AND

One (04) Weeks as the Contract Period for the completion of the Work from date of Site handover.

1.3.2 MINIMUM REQUIREMENT

(1) Minimum CIBD grading requirement; 1GB

(2) Proof experience on similar Project: Completion certificate

1.3.3 CONTRACT GUARANTEE:

The Successful Bidder will NOT be required to submit a contract guarantee.

1.3.4 GUARANTEE PERIOD

The guarantee period for the completion of the Structural work and all materials must be a minimum of Three (3) Calendar Months from the date of first delivery.

1.3.5 SITE AND MODE OF PROCEDURE

The work contained in this contract will be carried out on the existing site at Maphephetheni Clinic .

The Bidder is advised that the existing premises will be occupied throughout the period of the contract, and that the minimum amount of disruption to services is of the utmost importance

The bidders shall be aware that the work may be required to be done after hours or

on weekends and shall make necessary arrangement if so called for.

Damage to the existing buildings - Bidders to note that any damages done or occurring to any of the buildings will be repaired at the expense of the contractor/ Bidder.

The project or installation must be to the satisfaction of the Kwazulu- Natal Department of Health.

Bidders are advised to visit the site prior to tendering and to acquaint themselves with the nature of the work to be done and access to the siting of the existing buildings etc., as no claim whatsoever will be allowed on the grounds of ignorance of the conditions under which the work will be executed.

#### 1.3.6 SATISFACTORY INSTALLATION

The project must be to the satisfaction of the KwaZulu- Natal Department of Health.

Bidders are advised to visit the site prior to tendering and to acquaint themselves with the nature of the work to be done and access to the siting of the existing buildings etc., as no claim whatsoever will be allowed on the grounds of ignorance of the conditions under which the work will be executed.

All equipment and materials used in this contract shall be that which is specified or other approved

The project shall be carried out in accordance with the South African Bureau of Standards Code of Practice for the application of National Building Regulations, the KZNPA Standard Preambles to all Trades, the KZNPA General Electrical Specification, ICASA, Telecommunications regulations, the South African Bureau of Standards Code of Practice for the Wiring of Premises SABS 10142 and the Occupational Health and Safety Act and Regulations 85/1993 as amended.

Copies of the KZNPA Standard Preambles to all Trades and the KZNPA General Electrical Specification are available at the office of the Secretary for Health – KwaZulu-Natal and can be obtained on request.

## 2. TECHNICAL SPECIFICATION

### 2.1. Retaining Wall Properties

#### (a) Type:

- Light gravity wall (Single-block-width)
- Segmental retaining wall using interlocking blocks

#### (b) Wall Height:

$$H = 0,4\text{m} - 1,5\text{m}$$

Varies across the length of the embankment face, also dependent on maximum allowable angle of backslope.

#### (c) Length:

$$L = L_{\text{Face}} + L_{\text{Side}} = 14\text{m.}$$

$$L_{\text{Face}} = 10\text{m.}$$

$$L_{\text{Side}} = 4\text{m.}$$

#### (d) Block Selection

Terraforce L18 Blocks with horizontal and vertical interlocks

#### (e) Block Set Back / Batter

Batter: 10°.

Equivalent set back: 35mm

### 2.2. Materials

All materials used in constructing the retaining wall system shall be subject to approval. When requested by the engineer, the contractor shall submit test certificates from an approved independent testing authority, showing that the respective materials comply with the specified requirements, or certificates from patent holders or licensees certifying that the manufactured items comply in all respects with the relevant specifications.

#### (a) Precast concrete blocks

The precast concrete blocks shall be subject to approval. The blocks shall be uniform of colour and durable, and shall not react with soil. The blocks shall be installed on the completed base in accordance with the specifications of the patent holders, licensees or as specified by the engineer.

**(b) Excavation**

Excavations shall be done according to the lines and grades specified. Excavation support, if required, shall be determined by the contractor, subject to the engineer's approval. Over-excavated soil shall be replaced with compacted fill in conformance with backfill specifications.

The contractor shall check and determine, on the site, the positions of any services. The contractor shall take all reasonable precautions not to damage the services. Whenever services are encountered, which interfere with the execution of the works and which require to be moved and relocated, the contractor shall advise the engineer, who will determine the extent of the work.

The excavation shall be protected against ingress of water until the impermeable layer has been completed.

**(c) Founding depth**

Founding depth shall be to the required level as specified or to lower soil of suitable bearing capacity. The surface of formation should be free from any deleterious material and unwanted foreign objects. Loose pockets if any, should be excavated and filled with suitable granular or backfill material.

**(d) Base**

The surface on which the blocks are to be laid shall be levelled to the required depth so as to present an even surface. The bases for the earth retaining system shall be of the compacted gravel fill or a suitable concrete base as specified by the engineer. No precast concrete blocks shall be installed until the engineer has inspected and approved in writing the completed bases.

**(e) Embedment Depth**

The minimum embedment depth shall be the greater of 200mm, or the height of 1,5 precast concrete block.

**(e) Filter fabric:**

The filter fabric shall be used for lining in the subsoil drainage system on the excavation on the rear face of the retaining wall. The lining shall not be displaced or damaged in any way when the trench is filled with natural permeable material.

Synthetic-fibre filter fabric, or geotextile, shall comply with the requirements for grade 3 filter fabric as specified in SABS 0221-1988.

The filter fabric shall have a 25-year design life. The material shall withstand the level of aggressiveness of the soil and ground water without significant loss of its strength and hydraulic properties during its design life.

One layer of filter fabric shall be placed where specified by the engineer. The material shall be placed in strips with a minimum overlap of 300mm at the joints, and shall be properly fastened to prevent any movement or slipping during construction. The laps shall be stitched together with galvanised wire or strong synthetic threads at metre intervals.

*(f) Subsoil Drainage Pipes*

Pipes for subsoil drainage shall have a minimum internal diameter of 100mm, shall comply with SABS requirements, and shall be one of the following types: Perforated pitch-fibre pipes; Perforated/Slotted uPVC pipes; Perforated HDPE pressure pipes.

Specified pipes shall be firmly bedded on the natural material to the specified grade and level, and be coupled in accordance with requirements.

*(g) Natural permeable material*

Natural permeable filter materials shall be used for subsoil drainage and as a fill for precast blocks. This material shall consist of crushed stone or free draining material of suitable grading.

Crushed stone shall comply with SABS requirements for Stone for Concrete, and shall be either coarse (19mm nominal size) or fine (13.2mm nominal size).

The aggregate shall be evenly graded, the aggregate crushing value of the stone shall not exceed 30, no more than 5% of the material shall pass through the 0.075mm sieve.

In the absence of suitable local crushed stone, the engineer may require that it be procured from commercial sources.

Natural permeable material shall be placed in layers not exceeding 300mm in thickness at a time, and shall be lightly compacted. The thickness of each material shall be controlled, when thinner layers are placed, suitable spacers shall be used.

The excavation shall be backfilled with natural permeable material to such a height above the pipes as directed by the engineer. The material shall be lightly compacted and trimmed to the required level. The remainder of the excavation shall be backfilled with approved impermeable material in layers not exceeding 100mm, and compacted to, at least, the same density as surrounding material.

#### (h) Backfill

The backfill material shall be approved granular material, unless otherwise specified. Excavated areas shall be backfilled in horizontal layers not exceeding 150mm in thickness after compaction, to the level specified. Each layer shall be to the optimum moisture content for the material, and compacted to a density of not less than 90% Mod AASHTO density for soils and gravels, and not less than 100% of modified AASHTO density for cohesionless sands, or the density of the surrounding soil, whichever shall be the less.

### 2.3 GENERAL

This TECHNICAL SPECIFICATION shall be read in conjunction with all other sections of the SPECIFICATION and cognisance shall be taken of the clauses relevant to this particular installation, whether any specific clauses are referred to or not.

#### MATERIALS FROM THE ALTERATIONS: ---

Unless otherwise stated, will become the property of the Contractor and all these materials, together with all rubbish and debris must be carried away and the site left clean and unencumbered.

Items described as "removed" shall mean removed from the site.

Items described as to be re-used or to be handed over to the Administration are to be dismantled where necessary and stacked on site where directed, and the Contractor will be responsible for their removal and storage until required, and shall make good all items missing, damaged or broken at his own expense.

Unless otherwise described, no materials from the alterations shall be re-used in any new work without the written approval of the Department.

In taking down and removing existing work, particular care must be taken to avoid any structural or other damage to the remaining portions of the buildings.

The project leader will monitor and inspect various stages of the project

### 2.4 *Standard Preambles*

This (Copy) is available from the department on request.

### 2.5. SCOPE OF WORK

- Construct retaining wall as per the specification inclusive of all sundries

### **3. SCHEDULE OF RATES**

#### **3.1 ITEMS AND PRICING**

The Department reserves the right to place an order for any quantities of items included in the Schedules. The Schedule of Rates must also not be assumed to include and describe every detail of the supply requirement, but must be taken and read in conjunction with the other parts of the document. Thus the supplier shall not have claim for further payment in respect of any order which may be described or implied in the contract, although apparently no corresponding items are given in the Schedule of Rates. The supplier shall be deemed to have satisfied himself before quoting as to the correctness and sufficiency of his quote for the contract and of the rates and prices stated in the Schedule of Rates.

#### **3.2 TAX AND DUTIES**

Prices, quoted and paid, must include all customs, excise and import duties, and any other tariffs or taxes levied by the government or statutory body having jurisdiction on the goods provided under this contract, including Value Added Tax (applicable to the current rate).

#### **3.3 RATES**

Except where provision is made in the Schedule of Rates, the rates and prices inserted shall be the full rates and prices for the service delivered described under the respective items and shall cover all labor, transport, overhead charges and profit, etc. as well as the general liabilities, obligations and risks arising out of the Conditions of Contract, the overhead charges and profit being spread proportionately over the rates of the relative items in the Schedule of Rates.



ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<p>All rates for items contained in this Schedule of Prices include supply, delivery, and installation and must be computed excluding the applicable Sales Tax.</p> <p>All equipment and material used in this contract shall be that which is specified or other approved.</p> <p>The Administration reserves the right to Negotiate prices and or items in the Bill of Quantities.</p> <p>All items in the bill of quantities are provisional and shall be measured after completion,</p> <p>The bidders to satisfy themselves of the quantities on the bill before manufacturing or procurement.</p> <p>Allow for comprehensive health and safety file</p>	item			
2	<p>Construction of a single width segmental retaining wall. This item includes the supply, installation, and all labour involved for the works.</p> <p>Provision shall include demolitions and excavations, identifying and protecting services, foundation preparation, block installation and backfilling.</p>	Item			
Carried To Collection Summary PS 1				R	

COLLECTION SUMMARY

INSTITUTION: Maphephetheni Clinic

PROJECT: Construction of the retaining wall

NOTE:

THIS COLLECTION SUMMARY MUST BE COMPLETED IN FULL BY THE CONTRACTOR AND RETURNED TOGETHER WITH THE TENDER FORM.

Collection Summary PS 1	R		
SUB-TOTAL "A"	R		
ADD Provision for Value Added Tax Allow 15% of SUB-TOTAL "A"			
<u>TOTAL:</u> CARRIED TO PRICE PAGE	R		