

Quotation Advert

Opening Date: 2020-06-12

Closing Date: 2020-06-22

Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: Christ the King hospital

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required CHRIST THE KING HOSPITAL

Date Submitted 2020-06-11

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ:
ZNQ 57-2020-21

Item Category: Services

Item Description: SUPPLY AND DELIVER NEW SEPTIC TANK AND THE SOAK PIT AT INDWEBU CLINIC
NB.ALL CONTRACTORS ATTENDING SITE BRIEFING WILL BE REQUESTED TO ARRIVE AT 09h30 FOR PREPARATION OF SCREENING PROCESS AND ALL CONTRACTORS MUST WEAR THEIR OWN FACE MASK.
KINDLY TAKE NOTE THAT THE QUOTATION DOCUMENT IS UPLOADED ON THE WEBSITE,SO THAT YOU CAN PRINT YOUR OWN DOCUMENTS. THE INSTITUTION WILL ISSUE PAGE 5 OF QUOTATION AND SPECIFICATION ON SITE MEETING,ATTACH ALL THE PAGES WITH THE REST AND SUBMIT.THE FULL QUOTATION WILL NOT BE GIVEN ON THE SITE MEETING,AND ONLY SUPPLIERS ATTENDING SITE MEETING THAT WILL QUALIFY.

Quantity (if supplies) ONCE OFF

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Compulsory Briefing Session

Date : 2020-06-18

Time: 10H00

Venue: INDWEBU CLINIC

QUOTES CAN BE COLLECTED FROM: Kindly take note that the Quotation document is uploaded on the website

QUOTES SHOULD BE DELIVERED TO: CHRIST THE KING HOSPITAL TENDER BOX

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: NG TSHENDU

Email: scm.ctk@kznhealth.gov.za

Contact Number: 039 834 7519

Finance Manager Name: NB SIMELANE

Finance Manager Signature:


No late quotes will be considered

STANDARD QUOTE DOCUMENTATION SUPPLY CHAIN MANAGEMENT OVER R30 000.00

YOU ARE HEREBY INVITED TO QUOTE FOR REQUIREMENTS AT: CHRIST THE KING HOSPITAL
DATE ADVERTISED: 12-06-2020 CLOSING DATE: 22-06-2020 CLOSING TIME: 11:00
FACSIMILE NUMBER: 039 834 2131 E-MAIL ADDRESS: scm.ctlk@kznhealth.gov.za
PHYSICAL ADDRESS: CHRIST THE KING HOSPITAL, 1 PETER HAUFF DRIVE,,IXOPO,3276

ZNQ NUMBER: 57-2020-21

DESCRIPTION: SUPPLY AND DELIVER SEPTIC TANKS AND THE SOAK PIT AT NDWEBU CLINIC

CONTRACT PERIOD: ONCE OFF VALIDITY PERIOD 60 Days SARS PIN.....
(if applicable)

CENTRAL SUPPLIER DATABASE REGISTRATION (CSD) NO.

UNIQUE REGISTRATION REFERENCE

DEPOSITED IN THE QUOTE BOX SITUATED AT (STREET ADDRESS)
.....
.....

Bidders should ensure that quotes are delivered timeously to the correct address. If the quote is late, it will not be accepted for consideration.

The quote box is open from 08:00 to 15:30.

ALL QUOTES MUST BE SUBMITTED ON THE OFFICIAL FORMS – (NOT TO BE RE-TYPED)

THIS QUOTE IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

THE FOLLOWING PARTICULARS MUST BE FURNISHED
(FAILURE TO DO SO WILL RESULT IN YOUR QUOTE BEING DISQUALIFIED)

NAME OF BIDDER

POSTAL ADDRESS

STREET ADDRESS

TELEPHONE NUMBER CODE.....NUMBER..... FACSIMILE NUMBER CODENUMBER.....

CELLPHONE NUMBER

E-MAIL ADDRESS

VAT REGISTRATION NUMBER (If VAT vendor)

HAS A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (SBD 6.1) YES 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]

DESCRIPTION: SUPPLY AND DELIVER SEPTIC TANKS AND THE SOAK PIT AT NDWEBU CLINIC

SIGNATURE OF BIDDER DATE.....
 [By signing this document I hereby agree to all terms and conditions]

CAPACITY UNDER WHICH THIS QUOTE IS SIGNED.....

Item No	Quantity	Description	Brand & model	Country of manufacture	Price	
					R	c
01		SUPPLY AND DELIVER SEPTIC TANK AND SOAK PIT AT NDWEBU CLINIC				
	NB	CIDB CATEGORY: 1 SO				
	NB	SPECIFICATION ATTACHED				
VALUE ADDED TAX @ 15% (Only if VAT Vendor)						
TOTAL QUOTATION PRICE (VALIDITY PERIOD 60 Days)						

Does This Offer Comply With The Specification? Is The Price Firm?	Does The Article Conform To The S.A.N.S. / S.A.B.S. Specification? State Delivery Period E.G. <i>E.G. 1day, 1week</i>
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<p>Enquiries regarding the <u>quote</u> may be directed to:</p> <p>Contact Person: NG TSHENDU Tel: 039 834 7561</p> <p>E-Mail Address: scm.ctk@kznhealth.gov.za</p>	<p>Enquiries regarding <u>technical information</u> may be directed to:</p> <p>Contact Person: T MAGUBENI Tel: 039 834 7561</p>
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DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to quote (includes a price quotation, advertised competitive quote, limited quote or proposal). In view of possible allegations of favouritism, should the resulting quote, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the quote(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the quote.
2. In order to give effect to the above, the following questionnaire must be completed and submitted with the quote.

- | | |
|--|---|
| 2.1. Full Name of bidder/representative..... | 2.4. Company Registration Number: |
| 2.2. Identity Number: | 2.5. Tax Reference Number: |
| 2.3. Position occupied in the Company (director, trustee, shareholder ²):..... | 2.6. VAT Registration Number: |

2.7. The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below. [TICK APPLICABLE]

2.8. Are you or any person connected with the bidder presently employed by the state? YES NO

2.8.1. If so, furnish the following particulars:
 Name of person / director / trustee / shareholder/ member:
 Name of state institution at which you or the person connected to the bidder is employed:.....
 Position occupied in the state institution:Any other particulars:.....

2.8.2. If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? YES NO

2.8.2.1. If yes, did you attach proof of such authority to the quote document?

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the quote.)

2.8.2.2. If no, furnish reasons for non-submission of such proof:

2.9. Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? YES NO

2.9.1. If so, furnish particulars:.....

2.10. Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this quote? YES NO

2.10.1. If so, furnish particulars:.....

2.11. Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this quote? YES NO

2.11.1. If so, furnish particulars:.....

2.12. Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? YES NO

2.12.1. If so, furnish particulars:.....

3. Full details of directors / trustees / members / shareholders.

NB: The Department Of Health will validate details of directors / trustees / members / shareholders on CSD. It is the suppliers' responsibility to ensure that their details are up-to-date and verified on CSD. If the Department cannot validate the information on CSD, the quote will not be considered and passed over as non-compliant according to National Treasury Instruction Note 4 (a) 2016/17.

4 DECLARATION

I, THE UNDERSIGNED (NAME).....CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2.

I ACCEPT THAT THE STATE MAY REJECT THE QUOTE OR ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Name of bidder	Signature	Position	Date

¹"State" means –

- | | |
|---|---|
| a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999); | c) provincial legislature; |
| b) any municipality or municipal entity; | d) national Assembly or the national Council of provinces; or |
| | e) Parliament. |

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

SPECIAL CONTRACT CONDITIONS OF QUOTATIONS

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 institution is under no obligation to accept the lowest or any quote.
- 3.2. The price quoted must include VAT (if VAT vendor). However, it must be noted that the department reserves the right to evaluate all quotations excluding VAT as some bidders may not be VAT vendors.
- 3.3. The bidder must ensure the correctness & validity of quote:
(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*
- 3.4. 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.
- 3.5. This quotation will be evaluated based on the 80/20 points system, specification & correctness of information. All required documentation must be completed in full and submitted.
- 3.6. Offers must comply strictly with the specification.
- 3.7. Only offers that meet or are greater than the specification will be considered.
- 3.8. Late quotes will not be considered.
- 3.9. Expired product/s will not be accepted. All products supplied must be valid for a minimum period of six months.
- 3.10. A bidder not registered on the Central Suppliers Database or verification has failed will not be considered.
- 3.11. All delivery costs must be included in the quote price, for delivery at the prescribed destination.
- 3.12. 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.
- 3.13. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point.
- 3.14. In the event of a bidder having multiple quotes, only the cheapest according to specification will be considered. Furthermore a verification will be done to identify if bidders have multiple companies and are quoting (cover-quoting) for this bid. In such instances only the cheapest bid according to specification will be considered.

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. Quotation submitted must be complete in all respects.
- 4.5. Any alteration made by the bidder must be initialled.
- 4.6. Use of correcting fluid is prohibited
- 4.7. Quotation 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.

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 box found in any other box or elsewhere subsequent to the closing date and time of quotation will be considered.

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. FAILURE TO COMPLY WITH ABOVE WILL RESULT IN YOUR QUOTE BEING PASSED OVER.

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:

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

- 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:

$$Ps = 80 \left(1 - \frac{Pt - P \min}{P \min} \right) \text{ Where}$$

- Ps = Points scored for price of bid under consideration
- Pt = Price of bid under consideration
- Pmin = 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

(Tick applicable box)

7.1 Will any portion of the contract be sub-contracted?

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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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.

WITNESSES
1.
2.

..... SIGNATURE(S) OF BIDDERS(S)
DATE:
ADDRESS.....

**PROVINCE OF KWAZULU-NATAL
DEPARTMENT OF HEALTH**

ZNQ –

**NDWEBU CLINIC – CONSTRUCT A NEW SEPTIC TANK AND THE SOAK PIT AT
NDWEBU CLINIC.**

1.1 SCOPE OF CONTRACT

This Contract is for the execution of the project indicated above.

1.2 CONTRACT DRAWINGS

These specifications and bill of quantities must be read in conjunction with drawings No 6017H attached

1.3 CONDITIONS OF CONTRACT AND PRELIMINARIES

1.3.1 PERIOD OF CONTRACT

Five weeks (05) *Weeks* as the Contract Period for the completion of the Work from date of Site handover.

1.3.2 CONTRACT GUARANTEE:

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

1.3.3 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.

1.3.4 SITE AND MODE OF PROCEDURE

The work contained in this contract will be carried out on the site of the existing **Ndwebu 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.

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 repairs 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 executed.

1.3.5 SATISFACTORY INSTALLATION

The whole of the installation 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 0142 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.

1.3.6 CERTIFICATE OF COMPLIANCE

On completion of the service, a copy of the "Certificate of Compliance for Electrical Installation" must be submitted to the office of the Secretary for Health: KwaZulu Natal.

1.3.7 GENERAL

The Bidder's / Contractors will be responsible for all masonry work associated with the electrical installation and making good of all work related to the electrical installation. The patching and painting must be to the satisfaction of the KwaZulu-Natal Department of Health.

1.3.8 EARTHWORKS

SITE CLEARANCE: —The item given in the Bills of Quantities for site clearance shall be deemed to include the removal from the site, or burning if permitted by the Local Authority, of shrubs and trees with trunks under 200mm girth measured at 1m above ground level, hedges, bushes, other vegetation, rubbish and debris. Holes left by roots are to be backfilled with earth and rammed.

EXCAVATIONS: — Rates for excavations are to include for forming and trimming to the correct levels, falls, slopes, curves, etc. for trimming sides, stepping, levelling and ramming bottoms, staging and disposing of the excavated material as described in the items. Rates for excavations to reduce levels over site are also to include for forming and trimming banks to the required batter. The Contractor is to allow in his rates for the bulking of excavated material.

1.3.9 CONCRETE

Concrete test cubes:

Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use and waste of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Principal Agent.

1.3.10 Curing

All concrete is to be effectively cured. slabs are to be kept wet for 7 days to be covered with plastic for 7 days.

Cost of tests

The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)

WORK SAND: — shall comply with the requirements of SANS Specification 1090, washed where necessary and screened through a 2360 micrometer mesh sieve. CEMENT: — shall be Portland cement of normal setting quality complying with SANS STANDARD PREAMBLES TO ALL TRADES 24 Rev 3 January 2009 Specification 471 or Portland cement 15 complying with SANS specification 831. Cement containing more than 15 % blast furnace slag will not be permitted to be used. LIME: — shall be hydrated lime complying with SANS Specification 523. WATER: — shall be clean and free from injurious amounts of acids, alkalis, and other organic substances. If so required by the Department, the suitability of the water shall be proved by tests carried out by an approved laboratory. CEMENT MORTAR: — unless otherwise described, shall be composed of one part by volume of cement to five parts by volume of sand. COMPO MORTAR: — unless otherwise described, shall be composed of one part by volume of cement, one part by volume of lime to ten parts by volume of sand. STRENGTH MORTAR: —where required, shall be of the class specified and as defined in Table C-I of SANS Code of Practice 0164—Part I. MIXING OF MORTAR: — the materials are to be mixed dry on a non-absorbent and close jointed timber or iron platform until the mixture is of uniform colour with water added and the mixture turned over until the ingredients are thoroughly incorporated. No cement mortar that has once commenced to set will be allowed to be used. Mixing platforms are to be cleaned and old mortar removed before any new batch of mortar is prepared for mixing. No mortar mixing by adding additional materials is permitted after 5 (five) hours. TESTING OF STRENGTH MORTAR: — During the time brickwork is being laid samples shall be taken of the mortar being used as shall be directed by the Department. A group of three 70mm x 70mm x 70mm test cubes shall be made from each sample for testing at 28 days of age. Each group test cubes shall be deemed to represent the whole of the batch from which the sample was taken and shall be identifiable with the batch. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Department. An item for the testing of mortar cubes has been provided elsewhere in these Bills of Quantities. BURNT CLAY COMMON BRICKS: — shall comply with SANS Specification 227 and are to be good quality, sound, hard, well burnt bricks, uniform in size and shape. A sample load of bricks is to be approved by the Department and all subsequent loads are to be equal thereto. BRICKS FOR FOUNDATIONS: — are to be as above but extra hard burnt bricks. Reject facing bricks may be used in lieu of extra hard burnt foundation bricks provided they are equal to a sample to be submitted to and approved by the Department. These bricks are also to be used for septic tank walls. BRICKWORK: —unless otherwise described is to be in burnt clay common bricks and wherever practicable is to be in stretcher bond with the skins tied together with and including galvanized crimped wire wall ties in accordance with SANS Specification 28. The

wire ties are to be of sufficient length to allow each end to be built into brickwork built into every fourth course and spaced at 450mm staggered centres (seven ties per square metre). The bricks are to be well wetted before being laid and the course of bricks laid last is to be well wetted before bedding the next course of bricks upon it. The brickwork is to have all perpends flushed up solid and each course is to be laid on a solid bed of mortar. No false headers are to be used. Whole bricks are to be used except where bats or closers are legitimately required to form bond. Unless otherwise described one brick walls are taken at a nominal thickness of 230mm. STANDARD PREAMBLES TO ALL TRADES 25 Rev 3 January 2009 The joints of all walls to be plastered are to be raked out as the work proceeds to form key for plaster. All walls are to be carried up regularly so that no part is built more than 1,2m higher than the adjoining walls. Mortar joints generally are not to exceed 10mm thickness unless otherwise indicated on the drawings. If a specific brick scale is indicated on the drawings, either drawn or written, it must be adhered to. Solid bricks to X-Ray Room walls are to be used. If hollow core bricks are used, these are to be grouted up solid. HOLLOW WALLS: — are to be formed of two thicknesses of brickwork as specified with cavity between, tied together, unless otherwise specified, with and including A.I.S.I. Type 304 stainless steel wire butterfly type wall ties in accordance with SANS Specification 23, of sufficient length to allow each end to be built into brickwork, built into every fourth course and spaced at 450mm staggered centres (seven ties per square metre). Cavities are to be kept clear of all rubbish, mortar droppings and projecting mortar. BRICK LININGS TO CONCRETE: — unless otherwise described are to be tied to concrete with and including A.I.S.I. Type 304 stainless steel wire wall ties complying with SANS Specification 28 with one end embedded is to deep into concrete and other end built into the brick joints and spaced not less than seven ties per square metre. REINFORCED BRICK LINTELS: — unless otherwise detailed are to be constructed in accordance with KZN Public Works Type Drawing. PRE-CAST AND PRE-STRESSED CONCRETE LINTELS: — where specified, are to be of approved manufacture and the Contractor is to provide the Department with a certificate issued by the manufacturer certifying that the lintels are adequate for the purpose in terms of span, loading and number of courses and construction of brickwork above the lintel. The manufacturer is also to specify the minimum bearing required at each bearing end and the nature and period of temporary propping required. Rates or pre-cast pre-stressed concrete lintels are to include for any cement mortar filling required and for temporary propping in accordance with the manufacturer's instructions. BAGGING DOWN BRICKWORK: — shall be carried out when the mortar in joints is still soft by rubbing over with wet rough sacking until all joints and crevices are evenly filled, including additional mortar if necessary to obtain an even surface or, when the mortar in joints is set, by rubbing over as described but including cement grout as necessary to fill up the joints and crevices. CRAMPS: — for timber door frames shall be 1.6mm thick galvanized hoop iron 32mm wide with one end turned up 50mm and twice screwed to stile of frame and built 450mm deep into wall with other end turned up into brick joint and cranked as necessary where built into cavity wall. Cramps shall be built in approximately 330mm from top and bottom of stile and intermediately at not exceeding 825mm. TIES TO WALL PLATES, RAFTERS, ETC.: — shall be 1.6mm thick galvanized hoop iron 32mm wide and at least 1500mm long with one end turned up and built in not less than ten courses deep into brickwork or embedded in concrete beams or slab and with end left projecting and wrapped around timber rafter and spiked to timber wall plate. Where ties are embedded to concrete beam or slab, they must be wrapped around the bottom steel bar reinforcement of the beam or slab. WELDED MESH BRICK REINFORCEMENT: — shall be 55mm, 80mm, 155mm or 235mm wide consisting of two 3.55mm main high tensile steel wires at 50mm, 75mm, 150mm or 230mm centres respectively with 2.80mm high tensile-steel cross wires electrically

welded at 300mm centres, lapped 150mm at end joints, 75mm at angles and built 110mm into connecting walls. No allowance has been made for laps. STANDARD PREAMBLES TO ALL TRADES 26 Rev 3 January 2009 BITUMEN EMULSION WATERPROOFING TO BRICKWORK: — The inner thickness of external superstructure walls whether hollow or solid, behind facing bricks, is to be bagged and painted with two coats of approved bitumen emulsion waterproofing compound. FACING BRICKS. PAVING BRICKS, QUARRY TILES, ETC.: — Facing bricks shall comply with SANS specification 227. Facing bricks, paving bricks, quarry tiles, terra cotta grille blocks, etc. are to be of the types and colours specified, specially selected, free from blemishes, square on all faces, uniform in size, shape and colour and equal to a sample to be deposited with and approved by the Department. Special care must be taken to preserve the arrases and faces of facing bricks, paving bricks, quarry tiles, etc. during transit and handling. FACED BRICKWORK: — Facing bricks shall be sorted to ensure proper mixing of the bricks within the colour range of each type of facing bricks. Sudden changes in the general colour of faced brickwork in any one type of facing brick will not be acceptable. Sand used in mortar for faced brickwork is to be clean washed sand and sand from the same source is to be used throughout to maintain a uniform appearance. Faced brickwork is to be pointed as specified as the work proceeds. Keyed-in joints are to be formed with a round jointing tool and square recessed joints are to be approximately 6mm deep formed with a square jointing tool. All perpends are to be accurately kept. The bond is to be broken, if necessary, in the centre of panels above and below windows, above doors, between openings and in the centre of sides to piers. No broken bond will be allowed at reveals or quoins. All cutting to face bricks is to be done with a carborundum or other approved highspeed brick saw. Faced brickwork is to be protected from injury, mortar splashes, etc. and cleaned down with spirits of salts and scrubbed down with water at completion to the approval of the Department. PAVING BRICKS AND QUARRY TILES: — unless otherwise described are to be pointed as the work proceeds with 6mm wide keyed-in joints. Paving bricks and quarry tile paving, sills, etc. are to be protected from injury, mortar splashes, etc. and cleaned down with spirits of salts and scrubbed down with water at completion to the approval of the Department. FIBRE CEMENT SILLS: — are to be of approved manufacture without fixing lugs, even in shape, uniform in colour, free from cracks, twists and other defects, in single length between reveals and of the thickness and colour specified and equal to approved sample. RATES Brickwork Generally: — Rates for brickwork are to include for hacking the face, or raking out the joints, of brickwork where necessary to form key for plaster, etc. and for plumbing angles and surfaces, all square cutting, wedging and pinning against columns, beams, slabs, etc. for all waste in cutting and wire ties required in tying skins together as described. Rates for hollow walls are to include in addition to the above for keeping the cavities clean and free of mortar droppings and for butterfly type wall ties, all as described. Where items are described as cut and pinned, built in, bedded, wedged and pinned, etc. rates are to include for grouting in or bedding solid with 1:3 cement mortar, unless otherwise stated. Where window units, etc. are described for building in as composite, rates are to include for assembling of units as required and, unless otherwise described, for tap screwing to coupling mullions or transoms, including holes: Faced Brickwork, etc.: — Rates for all fair and faced brickwork, brick paving, grille block walls and the like are to include in addition to the foregoing for building or laying to true surfaces and angles, all fair square cutting and fitting and cleaning down to approval at STANDARD PREAMBLES TO ALL TRADES 27 Rev 3 January 2009 completion. Rates for brick sills, copings, steps, margins, thresholds and the like shall include for fair ends and angles unless different bricks or tiles are used or special cutting is required. Rates for items described as “Extra over ordinary brickwork” are to be for the extra cost of the facing bricks specified over common brickwork built in stretcher

bond, and are to include for building in cement mortar consisting of one part cement to five parts clean washed sand and for pointing as described. Rates for items described as "Labour and Material" are to be for the full cost of the facing bricks specified, and otherwise as above described. Rates for all cut face brick linings are to include for cutting and bonding at ends. Quarry Tiles: — Rates are to include for all square cutting and fitting, bedding and jointing in cement mortar consisting of one part cement to three parts clean washed sand, for pointing as described as the work proceeds and cleaning down to approval at completion. Rates for treads, sills, copings, cappings, skirtings etc. are to include for pointing to exposed edges, ends and projecting soffits. Air Bricks: — Rates for air bricks and air vent, gratings are to include for forming openings through the walls, for all necessary jack arches and turning pieces, for plastering all round the openings in cement mortar, and where in hollow walls, for building cavity solid all round in addition. Fibre Cement Sills: — Rates are to include for all square cutting, waste, and fitting and for bedding in an approved epoxy adhesive. Terra Cotta Grille Blocks: — Rates are to include for all square cutting and waste and fitting, bedding and jointing in cement mortar consisting of one part cement to three parts clean washed sand and for pointing with keyed in joints on both faces and into reveals of openings as the work proceeds.

5. WATERPROOFING GENERAL: — All measurements are nett — no allowance being made for laps in sheet materials or for waste in cutting. WORKMANSHIP: — All work is to be carried out to the approval of the Department by skilled and qualified workmen and in accordance with the methods prescribed in SANS Code of Practice 021 for waterproofing of buildings. All work is to be executed in accordance with the instructions issued by the manufacturer of the material being used. Roof coverings and linings are to be laid to the falls, cross falls, etc. provided in the screeds or other surfaces to which they are to be applied. Surfaces to be waterproofed are to be dry and cleaned of all dust, chips, etc. immediately prior to the commencement of this work and are to be free of any contaminating substances or projections that may damage the waterproofing materials being used.

POLYETHYLENE SHEETING: — is to comply with SANS Specification 952 and bear the SANS mark. The sheeting is to be laid with a minimum lap of 150mm, unless otherwise specified, at angles and junctions with laps sealed in accordance with the manufacturer's instructions. MASTIC ASPHALT ROOFING: — is to conform to SANS Specification 297 and is to be laid hot in two or three layers, as stated, with each layer of minimum 4mm thickness and laid to break joint with the underlying layer by not less than 150mm. STANDARD PREAMBLES TO ALL TRADES 28 Rev 3 January 2009 Prior to the commencement of any work, the specialists who lay the mastic asphalt roofing are to satisfy themselves as to the acceptability of the surfaces upon which the mastic asphalt is to be laid, as the said specialists will be held fully responsible therefore. Mastic asphalt to surfaces not exceeding 10-degree slope is to be laid in two layers on and including one layer of approved reinforced waterproof building paper lapped 75mm at all edges. Rates are to include for all cutting and waste on building paper. Mastic asphalt to surfaces exceeding 10 and not exceeding 20 slope is to be laid in two layers on surfaces which have been hacked, grooved or scoured to provide an adequate key. Rates are to include for the necessary preparation of the surfaces. Mastic asphalt to vertical surfaces and surfaces exceeding 20-degree slope is to be laid in three layers on and including any necessary expanded metal lathing securely fixed to the surfaces to prevent creeping. Where vertical surfaces do not exceed 300mm in height the surfaces to receive mastic asphalt may alternatively be prime coated with a latex based bitumen emulsion primer prior to the application of the mastic asphalt. Anile fillets to all internal angles are to be run in one operation. Finishing coats of bituminous-based aluminium paint on mastic asphalt roofing have been measured separately.

FLEXIBLE GLASS-FIBRE REINFORCED POLYESTER WATERPROOFING: — shall be of the type specified, or other approved, supplied

and laid in-situ by a specialist subcontractor, all to the approval of the Department and shall carry a written 10 (ten) year guarantee. The waterproofing applied in-situ shall consist of one layer of three-ply bituminous felt underlay bonded to the substrate and covered with flexible glass-fibre reinforced polyester waterproofing comprising a chopped strand glass-fibre mat having a minimum mass of 450g / m², impregnated with flexible unsaturated polyester resin and finished with two coats of abrasion-resistant flexible unsaturated polyester surface coating which shall not show any sign of the glass-fibre reinforcement. The total mass of the waterproofing (excluding the bituminous felt underlay) shall be not less than 1.8kg / m². Chopped strand glass-fibre mat reinforcement is to comply with the requirements of SANS Specification 419. All unsaturated polyester resins are to be suitable for their intended use and comply with SANS Specification 713 and are to be ultra-violet ray stabilised. All flexible glass-fibre reinforced polyester waterproofing is to be finished to approved opaque colours (excluding red or orange tints), is to be properly cured, and is to be free from porosity, blisters, cracks, surface crazing or other defects which may affect its appearance or its performance, with the surface colours consistent throughout. Samples of flexible glass-fibre reinforced polyester waterproofing are to be submitted to and approved by the Department and all work executed is to be equal to the approved samples. EXPANSION JOINT SEALANTS: — Polysulphide sealants, where specified, are to be approved polysulphide sealants complying with SANS Specification 110 Type 2, well compacted into joint. Rates are to include for priming joints where recommended by the manufacturer of the sealant being used with a suitable and approved primer. All work is to be executed by the manufacturer of the material, or other specialist firm, all in accordance with the manufacturer's instructions. STANDARD PREAMBLES TO ALL TRADES 29 Rev 3 January 2009 RATES: — for all roofing and linings are to include for cleaning and preparing the surfaces to be waterproofed as before described, for protecting from damage and cleaning down, flood-testing if required and handing over in an acceptable and guaranteed watertight condition at completion. Rates for sheet waterproofing materials are to include for all dressing, bending, narrow widths, angles, intersections, cutting and waste and where applicable for the extra material required for lapping and for sealing laps as described. Rates for roofing described as laid on "flat" roofs are to include for laying to slopes not exceeding 100mm from t

PROVINCE OF KWAZULU-NATAL
DEPARTMENT OF HEALTH

ZNQ –

NDWEBU CLINIC – CONSTRUCT A NEW SEPTIC TANK AND THE SOAK PIT AT
NDWEBU CLINIC.

TECHNICAL SPECIFICATIONS

2. TECHNICAL SPECIFICATION

2.1 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.

2.2 *Standard Preambles*

This is available from the department on request.

2.3 *Health and Safety Specification*

Health and Safety Plan with Risk assessment schedule is to be compiled taking cognisance of the specific type of patient's that walk around the institution all day. All areas are to be protected at all times from patients falling in. All new and old materials are to be securely stored during construction to eliminate any person from rolling them around or playing inside them.

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NDWEBU CLINIC.**

3. SCOPE OF WORK

The work to be carried out under this contract includes the supply of all materials, and including all labour to carry out all electrical work and leaving in service condition to the satisfaction of the Secretary for Health: KwaZulu-Natal.

3.1. The work comprises of

3.3.11 Supply and install the following:

- (a) Earthworks – excavation of trenches for UG pipe, septic tank, soak pit etc.
- (b) Concrete Slabs
- (c) Masonry septic tank walls
- (d) Water Proof on the soak pit
- (e) Plaster for the septic tank
- (f) UG pipe

Specifications

- Curing of concrete is 7 days.
- Use NFX bricks for the walls
- Type of bond: stretcher bond

Note: Work to re measured on completion

Item No	Description	Unit	Qty	Rate	Total
<u>BILL NO. 1</u>					
EARTHWORKS.					
<u>Excavations</u>					
The Tenderer is referred to the relevant Clauses in the Model Preambles to All Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities. Unless otherwise described the preambles and full descriptions of all items appearing in all the bills of the preceding section are to apply equally to this section.					
<i>Excavations in soft rocks, hard rocks, soil and concrete etc. not exceeding 3 m deep purpose of excavations is to accommodate new septic tank and backfill (Drawing 1). Size of tank is :8 400 x 2 500 x 2 710mm</i>					
<i>Note there is an allowance of 1m around the tank, that is included in the excavation it will also create the area to work</i>					
1.	Septic tank	m ³	102.44		
<u>Risk of collapse of excavations</u>					
2.	Sides of the trench and hole excavation not exceeding 3m deep (8 400 x 2 710mm) X 2 and (4 500 X 2 710mm) X2	m ²	70.		
<u>UG PIPE EXCAVATION</u>					
3.	Excavation not exceeding 1.5m deep to accommodate the UG pipe: Trench length is 150m x 0.3 m wide x 0.5m deep	m ³	23		
<u>Keeping excavation free of water</u>					
4.	Keeping excavation free from water, mud etc.	item			
Carried to Collection Earthworks.					

Item No	Description	Unit	Qty	Rate	Total
	<p><u>EARTHWORKS.</u></p> <p><u>Excavations (Soak Pit)</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles to All Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities. Unless otherwise described the preambles and full descriptions of all items appearing in all the bills of the preceding section are to apply equally to this section.</p> <p>Excavations in soft rocks, hard rocks, concrete and soil etc. Not exceeding 3m deep purpose of excavations is to accommodate new soak pit and backfill (Drawing 1).</p>				
5.	Soak pit	m ³	4.57		
	<u>Risk of collapse of excavations</u>				
	Sides of the trench and hole excavation not exceeding 3m deep (2. 3 x 3.11 m) x 2 and 1.2 x 3.11m) x 2	m ²	22.		
	<u>Keeping excavation free of water</u>				
6.	Keeping excavation free from water, mud etc.	Item			
	Carried to Collection Earthworks.				

Item No	Description	page		Amo
	<u>Bill no 1</u>			
	Earthworks			
	<u>Collection summary</u>			
		10.		
		11.		
	Carried to Final Summary			
	Earthworks			

No	Description	Qty	Rate	Amount
<u>BILL NO. 2</u>				
BACK FILLING.				
<p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p>EXCAVATION, FILLING, ETC OTHER THAN BULK Excavation in earth not exceeding 2m deep</p>				
<p>Use river sand to backfill around the UG pipe, 50 mm below the pipe and 50 mm on top the pipe, the balance of backfilling use soil.</p>				
1.	River sand required to backfill.	m ³	7.64	
2.	Supply, deliver and backfill the soak pit using stones and soil (Drawing 1)	item		
Carried to final Summary Back filling			R	

tem No	Description	Qty	Rate	Am
<u>BILL NO 3.</u>				
CONCRETE WORKS				
<p>Reinforced concrete -25 mpa/19 mm concrete stones. All concrete is to be effectively cured. Footings and bases are to be kept wet for 7 days. Columns are to be wrapped in plastic for 7 days. Slabs are to be covered with plastic for 7 days.</p>				
<p>Supply, deliver and cast reinforced concrete slabs with strength of 25 mPa / 19 mm concrete stones, 193 wire mesh.</p>				
<p>Top slab: 100mm thick (total thickness) ,50mm is a pre cast concrete plus 50mm of reinforced concrete</p>				
1.	Bottom slab	m ³	2.	
2.	Top slab	m ³	0.79	
<u>Cube Test:</u>				
Cost of tests				
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent.</p>				
<p>Allow for the preparation of cube, transportation of cube to the relevant laboratory (for both concrete slabs). No payment will be done if there is no cube test results or report</p>				
3.	Cube test	no.	02.	
<p>Carried to final summary Concrete works</p>				

Item No	Description	Unit	Qty	Rate	Total
<u>BILL NO. 4</u>					
FORMWORK					
<p>The Tenderer is referred to the relevant clauses in the Specification of Materials and Methods to be used PW371, the Supplementary Preambles and Notes.</p>					
<u>Formwork</u>					
<p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent") for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p>					
<p>Allow for the formwork to support the sides of the top slab concrete. $2/6.40 \times 0.10 = 1.28$ plus $2/2.50 \times 0.10 = 0.5$</p>					
1.	Top slab	m ²	1.78		
<p>Formwork for the bottom slab $2/6.40 \times 0.13 = 1.66$ plus $2/2.50 \times 0.13 = 0.65$</p>					
2.	Bottom slab.	m ²	2.31.		
Carried to final summary Formwork					

Item No	Description	Qty	Rate	Arr
1.	<p style="text-align: center;"><u>BILL NO 5.</u></p> <p>REINFORCEMENT(SQUARE MESH FABRIC)</p> <p>The Tenderer is referred to the relevent Clauses in the Model Preambles to All Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities.</p> <p>PRICES FOR STEEL BAR REINFORCEMENT Prices for steel bar reinforcement are to include for all cutting, cold bending, wiring together at passing points, hoisting or lowering to the required levels, supplying concrete, mortar or plastic chairs and spacers as described and for fixing in accordance with the detail drawings and maintaining in position during concreting.</p> <p>Supply, deliver and install square mesh fabric with ref 193(as per attached drawing) square mesh length is 3 320 x 1710 mm</p> <p>Wire mesh to be installed on top of the old slab write to the end of the new slab and it has to be on the bottom and top on the new concrete slab. Note the concrete cover is 30 mm from the edge.</p> <p>Square mesh fabric required.</p> <p>Carried to final summary Reinforcement(square mesh fabric)</p>	m ²	32	

Item No	Description	Qty	Rate	Arr
<u>BILL NO 6.</u>				
PRECAST CONCRETE				
<p>The Tenderer is referred to the relevent Clauses in the Model Preambles to All Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities.</p>				
SUPPLEMENTARY PREAMBLES				
<p>The following preambles supercede those in the 'Model Preambles To All Trades'.</p> <p>STANDARD FORM OF SPECIFICATION FOR CONCRETE WORK All concrete work shall be in accordance with the South African Bureau of Standards "CODE OF PRACTICE FOR THE STRUCTURAL USE OF CONCRETE PART II : MATERIALS AND EXECUTION OF WORK" SABS 0100 and the Appendices attached thereto, where applicable.</p>				
<p>Supply, deliver and install precast reinforced with square mesh fabric (ref 193), size of the slabs is 100 mm. notes slabs need to be sealed properly. Erect two Manholes as per drawing</p>				
Note seal all the slabs properly				
1.	Precast for the top slab (6 400 x 2 500mm)	m ²	16	
2.	Supply, deliver and install Manhole cover with diameter of 600, thickness of 50 mm	no.	02.	
<p>Carried to final summary Precast Concrete</p>				

tem No	Description	Unit	Qty	Rate	Total
<u>BILL NO. 7</u>					
MASONRY.					
The Tenderer is referred to the relevant Clauses in the Model Preambles to All Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities.					
Supply, deliver and lay Brickwork NFX (Non facing extra) Bricks are laid in 1:3 cement mortar. Use stretcher bond to lay the bricks. Check the attached drawing (Drawing 2)					
1.	Bricks for external walls(one brick wall)	m ²	43.65		
2.	Bricks for internal wall (Half brick wall)	m ²	5.31		
Supply, deliver and install suitable brick force type with the dimeter of 2.8mm:					
3.	One Brick Wall	m	90.		
4.	Half Brick Wall	m	11.		
Carried to final summary Masonry.					

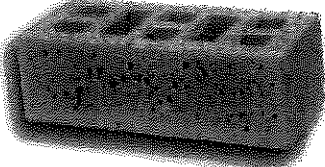
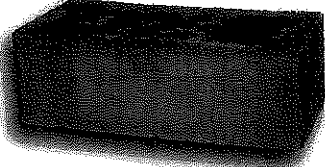
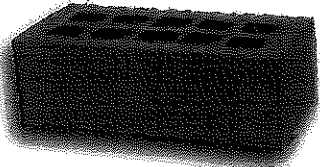
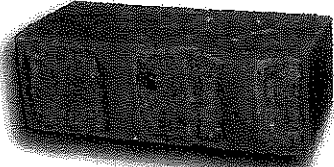


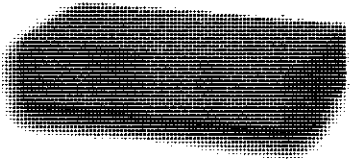
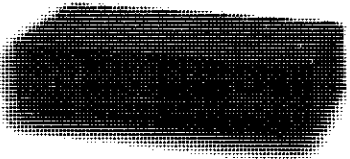
Item No	Description	Qty	Rate	Amount
<u>BILL NO. 8</u>				
WATER PROOFING				
The Tenderer is referred to the relevant clauses in the specification of Materials and Methods to be used PW371, the Supplementary Preambles and Notes.				
SUPPLEMENTARY PREAMBLES				
Waterproofing				
Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys.				
Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs				
Note: Use 1000g Black Polythene DPM on the soaker				
1.	Supply, deliver and install water proof In the soaker	m ²	2.76	
2.	Septic tank internal water proof (ACCOproof)	m ²	2.71	
Carried to final Summary Water proofing			R	

Item No	Description	Unit	Qty	Rate	Total
<u>BILL NO. 9</u>					
PLASTERING					
PREAMBLES					
For Preambles refer to "Standard Preambles to all trades - WB20 - 1986"					
Plaster mixture is 1:3 and the thickness is 19 mm plus accoproof, note plaster must be applied on external and internal walls.					
1.	Plaster on external walls	m ²	48.24		
2.	Plaster on internal walls.	m ²	42.87		
3.	Internal wall (half brick wall)	m ²	11.17		
Carried to final summary. Plastering					

Item No	Description	Qty	Rate	Amount
<u>BILL NO. 10</u>				
PLUMBING AND DRAINAGE				
The Tenderer is referred to the relevant clauses in the Specification of Materials and Methods to be used PW371, the Supplementary Preambles and Notes.				
SUPPLEMENTARY PREAMBLES				
Prices				
Prices of all pipes shall include for short lengths and cuttings, for all joints in the length, including necessary couplings and for all jointing to fittings				
Prices of all joints between pipes of dissimilar and between taps, valves, etc. and, shall include in all cases for the couplings or adapters. Prices of flanged and bolted joints between pipes of dissimilar and between valves, etc. and pipes, shall include for flanges drilled as required, flange adapters, rubber insertion rings and necessary bolts and nuts				
<i>Note: The fall of the sewer line is 1:40</i>				
1.	Supply, deliver and install 110mm UG pipe, from the clinic toilets to the septic inlet and the connection of septic tank and the soak pit.	m	150	
2.	Allow for the plumbing fittings as per attached Drawing.	Item		
Carried to summary Plumbing and Drainage				

Item No	Description	Page No		Amount
<u>Final summary</u>				
1.	Earthworks.	12.		
2.	Backfilling.	13.		
3.	Concrete Works.	14.		
4.	Form work.	15.		
5.	Reinforcement.	16.		
6.	Pre Cast concrete.	17.		
7.	Masonry.	18.		
8.	Water proofing.	19.		
9.	Plastering.	20.		
10.	Plumbing and Drainage.	21.		

SEPTIC TANK – CLAY BRICKS (NFX)

FBX		NFP	
FACE BRICK EXTRA		NON-FACING PLASTERED	
Clay bricks that are selected or produced for their durability and high degree of uniformity of size, shape and colour		Clay bricks suitable for general building work that is to be plastered	
FBS		NFX	
FACE BRICK STANDARD		NON-FACING EXTRA	
Clay bricks that are selected or produced for their durability and uniformity of size and shape		Clay bricks suitable for use, plastered or unplastered, for general building work below damp-proof course or under damp conditions or below ground level where durability rather than aesthetics is the criterion for selection	
FBA		E	
FACE BRICK AESTHETIC		ENGINEERING UNITS	
Clay bricks that are selected or produced for their durability and aesthetic effect deriving from non-uniformity of size, shape, or colour		Any class masonry unit produced for structural or load-bearing purposes in face or non-face work, where the manufacturer supplies clay bricks to an agreed compressive strength. An engineering unit is designated by the addition of the letter E followed by a number equal to the nominal compressive strength in megapascals, e.g. FBSE21	
PA		PB	
CLAY PAVERS		CLAY PAVERS	
Clay pavers that are selected or produced for their durability and for a high degree of uniformity in size and shape, and that have dimensions such that the ratio of work size length to work size width is approximately 1:1;2:1 or 3:1.		Clay pavers that are selected or produced for their durability and for their uniformity in size and shape.	

DRAWING 2

PROVINCE OF KWAZULU-NATAL

DEPARTMENT OF HEALTH

ZNQ -



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

DIRECTORATE:

NDWEBU CLINIC – CONSTRUCT A NEW SEPTIC TANK AND THE SOAK PIT AT
NDWEBU CLINIC.

REQUIREMENTS

Grading or cidb cartegory	SO
PLAN	Once the Contractor is awarded
Records of previous work completed	
Attach completion certificate of above mention order	
Letter of good standing	
Correctly filled specification / schedule of rates with calculations tallying	
Attach proof of verifiable order	
Proof of qualified artisan or engineer	

Signed

S. NGCOBO

Signed

CONTRACTOR