


Quotation Advert



KWAZULU-NATAL PROVINCE
 HEALTH
 REPUBLIC OF SOUTH AFRICA

Opening Date: 2022-06-07
Closing Date: 2022-06-23
Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: St Andrews hospital
Province: Kwazulu-Natal

Department or Entity: Department of Health
Division or section: Central Supply Chain Management

Place where goods / services is required: ST ANDREWS HOSPITAL
Date Submitted: 2022-06-07

ITEM CATEGORY AND DETAILS

Quotation Number: SAH:83/22/23
Item Category: Services

Item Description: MALE ABLUTION UPGRADE IN D WARD

Quantity (if supplies):

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Compulsory Briefing Session

Date: 2022-06-15
Time: 11H00

Venue:
QUOTES CAN BE COLLECTED FROM: WEBSITE

QUOTES SHOULD BE DELIVERED TO: ST ANDREWS HOSPITAL TENDER BOX NEXT TO BOTTOM SECURITY GATE

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: MS B. MNOMIYA

Email: Standrews.Quotations@kznhealth.gov.za
Contact Number: 039-4331955

Finance Manager Name: MR N. MDINGI

Finance Manager Signature: 

No late quotes will be considered

1 the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.
 2 Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.
 I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

- 3.1. I have read and I understand the contents of this disclosure;
- 3.2. I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.6. There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.7. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

3. DECLARATION

- 2.2. Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?
 YES/NO
- 2.2.1. If so, furnish particulars:
- 2.3. Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
 YES/NO
- 2.3.1. If so, furnish particulars:

Full Name	Identity Number	Name of State Institution

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

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

BIDDER'S DECLARATION

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

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

BIDDER'S DISCLOSURE

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 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 & fulfillment of all obligations conditions devolving on under this agreement, as the Principal (s) liable for the due fulfillment 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 products 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 initialed, 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 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.

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

10. TAX COMPLIANCE REQUIREMENTS

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 points 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.

9. SUBMISSION AND COMPLETION OF SBD 6.1

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.

8. STATEMENT OF SUPPLIES AND SERVICES

Institution Stamp: Full Name: Signature: Date:	Institution Site Inspection / briefing session Official
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(i) The institution has determined that a compulsory site meeting take place.
 (ii) Date / / Time : Place
 7.1. Bidders who fail to attend the compulsory meeting will be disqualified from the evaluation process.

7. COMPULSORY SITE INSPECTION / BRIEFING SESSION

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.
 (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.
 (i) If a company/s who has not won the quote requires their samples, they must advise the institution in writing of such.
 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.

6. SAMPLES

5.6. Quotation documents must not be included in packages containing samples. Such quotations may be rejected as being invalid.
 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.
 5.4. 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.
 5.3. 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.
 5.2. 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.
 5.1. 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. SPECIAL INSTRUCTIONS REGARDING HAND DELIVERED QUOTATIONS

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.

TAX INVOICE

10.3. 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;
- (ii) the name and address of the recipient;
- (iii) an individual serialized number and the date upon which the tax invoice is issued;
- (iv) a description and quantity or volume of the goods or services supplied;
- (v) the official department order number issued to the supplier;
- (vi) the value of the supply, the amount of tax charged;
- (vii) the words tax invoice in a prominent place.

11. 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.

12. PENALTIES

- 12.1. 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.
- 12.2. 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.
- 12.3. 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.
- 12.4. 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.

13. TERMINATION FOR DEFAULT

- 13.1. 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.
 - 13.2. 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.
 - 13.3. 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.
14. THE DEPARTMENT RESERVES THE RIGHT TO PASS OVER ANY QUOTATION WHICH FAILS TO COMPLY WITH THE ABOVE.

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.

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

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

SBD 6.1

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

- 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 contributor 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 Exemplified 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;

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		

Designated Group: An EME or QSE which is at least 51% owned by: EME QSE

8. Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017: YES NO

(Tick applicable box)

7.1.1 What percentage of the contract will be subcontracted? %

7.1.1.1 The name of the sub-contractor

7.1.1.2 The B-BEE status level of the sub-contractor

7.1.1.3 Whether the sub-contractor is an EME or QSE

7.1.1.4 If yes, indicate: Will any portion of the contract be sub-contracted? YES NO

7. SUB-CONTRACTING (Tick applicable box)

5. BID DECLARATION

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

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

6.1 B-BEE 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-BEE status level of contributor.)

B-BEE 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

4. POINTS AWARDED FOR PRICE

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-BEE status level of contribution in accordance with the table below:

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

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

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

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

POINTS AWARDED FOR PRICE

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:

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-BEE 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-BEE 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 BIDDER(S)
DATE:
ADDRESS:



Enquires: Reference: ZNQ: SAH-85/2023 Date: 06 May 2022

MINUTES OF SITE MEETING HELD ON:

Venue: St Andrews Hospital, Male Ablution upgrade in D ward
Date:

1. Matter Discussed:

- 1.1. Signing of attendance register and site inspection briefing certificate.
- 1.2. Handing out of quotation documents.
- 1.3. Completion of quotation documents.
- 1.3.1. SBD 4
- 1.3.2. SBD 6.1
- 1.3.3. Form 9
- 1.3.4. Bill of Quantities
- 1.4. Submission of required information.
- 1.4.1. Documents as per page 3 of the specification.

- 1.5. Site visit and deliberations on specifications and requirements.
- 1.6. Bidders are compelled to re-visit the site for one-on-one clarification of measurements and requirements. Post Site Inspection Briefing certificate to be signed on day of re-visit.
- 1.7. No part payments will be made and any stage of the project.
- 1.8. No payment will be made for incomplete or poor quality of work.
- 1.9. Material list page to be completed for all quotation documents. Failure to attach signed and completed document will render the quotation as not valid.

- 1.10. Past poor performance of contractors.
- 1.10.1. Contractors that have performed poorly in the past will not be considered.
- 1.10.2. Contractors that have not completed previous projects fully will not be considered.

1.10.3. Contractors will be referred to National Treasury as a defaulter to be listed on the Database of Restricted Suppliers.

I, (Print Name) from (Name of Business) do hereby acknowledge that I have read and understand the items discussed as laid out above and will ensure that the quotation price submitted will address all the requirements as stipulated.

Signature

Date

Bidders Signature: ZNQ:
 STAH Male Ablution upgrade: ZNQ:

2. General matters during site visit:

- 2.1.
- 2.2.
- 2.3.
- 2.4.
- 2.5.
- 2.6.
- 2.7.
- 2.8.
- 2.9.
- 2.10.



**CERTIFICATE OF BIDDERS ATTENDANCE AT COMPULSORY
 SITE INSPECTION BRIEFING MEETING**
 St Andrews Hospital

SITE INSPECTION DATE	DESCRIPTION St Andrews Hospital, Male Ablution upgrade in D ward	QUOTATION NO. ZNO:
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This is to certify that I _____

A representative of (Bidder) _____

of Address: _____

Telephone No: _____

Telefax No.: _____

Attended the Pre-Bid Site Briefing Meeting on (date) _____

And at the following venue (mark in appropriate block):

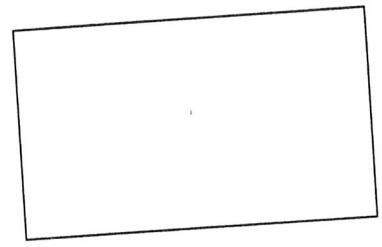


St Andrews
Hospital

BIDDERS REPRESENTATIVE

DEPARTMENT REPRESENTATIVE

DEPARTMENTAL STAMP:



Bidders Signature:..... ZNO:.....
 STAH Male Ablution upgrade: ZNO:.....

ENQUIRIES:

REF:

CLOSING DATE:

CONTRACTOR: _____

1. On behalf of the KwaZulu-Natal Department of Health, we hereby invite you to quote for the above service
2. Your quotation must be submitted to the following address:

HAND DELIVERED

To be Placed in the Quotation Box	St Andrews Hospital
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In a sealed envelope, the front of the envelope being clearly endorsed with the Quotation Number ZNQ and the service type as stated above, not later than 11h00 on

3. The quotation shall be fully detailed as follows:

- 3.1 Itemised list of additional Material/Spare parts required by the Contractor, showing costs and contracts mark-up.
- 3.2 Labour hours, rate and total travelling costs.
- 3.3 Kilometres, Rate and Total Travelling Cost (specify number of trips).
- 3.4 Subsistence: Number of Days, Rate and Total Subsistence Costs.

4. Kindly complete the attached document and return all pages as per paragraph two above, each page being initialised by the Contractor's authorized signatory.

5. The Contractor's attention is drawn to the following, which under no circumstances will be acceptable and will result in the automatic disqualification of the quotation.
 - 5.1 Use of correcting fluid i.e. Tippex on the quotation documents.
 - 5.2 Faxed quotations
 - 5.3 Photocopies of quotations
 - 5.4 Incomplete quotation document including Bill of Quantities.

6. Only the original document, duly signed and completed in its entirety will be given any consideration.

7. Bidder to sign and date every page in acknowledgment that he/she has read and understood all the requirements contained in this document. Failure to do so will render your offer as non-responsive.

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

DOCUMENTATION TO BE SUBMITTED

No.	Document Details	Doc. Type	Submitted	
			Yes	No
1.	Tax Clearance Certificate	Original		
2.	CIDB Registration	Certified Copy of Original		
3.	Company Registration Documents (CK)	Certified Copy of Original		
4.	B-BBEE Status Verification Certificate	Certified Copy of Original		
5.	Fully Completed and Signed Quotation Document	Original		
6.	SBD 4 Document Declaration Of Interest (Fully completed and signed)	Original		
7.	Bill of Quantities (fully priced for each item as listed)	Original		
8.	Central Supplier Database (CSD) Registration			
9.	Registration with Department of Labour Letter of Good Standing.	Certified Copy of Original		
10.	Plumbers and Carpenters Trade test certificates	Certified Copies Original on Request		

PLEASE NOTE: FAILURE TO SUBMIT ANY OF THE DOCUMENTS AS REQUIRED IN THE TABLE ABOVE WILL RESULT IN THE OFFER BEING REGARDED AS NON-RESPONSIVE.

A COVERING LETTER REFERRING TO THE DOCUMENT WHERE A SET OF THESE DOCUMENTS HAVE BEEN ATTACHED MUST BE ATTACHED TO EVERY OTHER QUOTATION DOCUMENT.

Bidders Signature:..... ZNQ:..... STA4 Male Ablution upgrade:

NOTES TO BIDDERS

1.1 GENERAL CONDITIONS AND PROCEDURES FOR PROCUREMENT

1.1 - The Kwazulu-Natal Treasury's General Conditions and Procedures for Procurement (ZNT 6 - September 2002), copies of which are available from the offices of the Head: Works (as well as at <http://www.kzntreasury.gov.za>), will apply.

1.2 VISIT TO SITE
Bidders are advised to visit the site before quoting in order to satisfy themselves as to the nature and full extent of the work to be done and the conditions generally affecting the execution of the contract. Claims on the grounds of lack of knowledge in such respects or otherwise will not be entertained.

1.3 SUPERVISION
The work shall at all times, for the duration of the contract, be carried out under the supervision of a skilled and competent representative of the contractor, who will be able and authorized to receive and carry out instructions on behalf of the contractor. A sufficient number of workers shall be employed at all times to ensure satisfactory progress of the work.

1.4 PROTECTING AND MAKING GOOD
The contractor shall allow for covering up and protecting, as necessary, from time to time, throughout the performance of the contract, all work liable to suffer damage and on completion clear away and make good any damage caused to the works by his negligence and shall be liable for all costs incurred in making good any such damage, to the satisfaction of the Head: Works.

The contractor shall allow for making good in all surrounding trades, which have been disturbed during alterations, repairs and renovations.

1.5 RECLAIMABLE MATERIAL
Reclaimable material will become the property of the contractor and who must allow for any credit in the quotation.

1.6 COMPLIANCE
All work must comply with the Local Authority regulations and National Building Regulations, as well as SABS specifications applicable to the work to be executed.

1.7 LEAVE PERFECT
The contractor shall at all times keep the site in a clean and tidy condition and on completion, remove all superfluous materials, debris, etc. and leave the premises in a thoroughly clean and perfect state, fit for occupation.

1.8 ARRANGEMENT WITH OCCUPANTS
The contractor shall arrange with the occupants of the buildings for access to the site/building to render the service and put the work in hand within twenty four (24) hours after being notified, telephonically or otherwise, of acceptance of the contractor's quotation.

1.9 PRECAUTIONS TO PROTECT
The contractor shall take all necessary precautions and steps to protect furniture and fittings in the building and on the site against damage and/or contamination.

1.10 INDEMNITIES
(a) The contractor shall indemnify the Head: Works against any claims of whatever nature to arising from the contractor's activities and accept responsibility for all damage caused to property and persons as a result of such activities.
(b) The contractor shall indemnify his workers in terms of the Compensation for Occupational Injuries and Diseases Act.

Bidders Signature:..... ZNQ:.....

By the submission of a quotation, any Tenderer will, if awarded the contract to which this quotation document relates, be deemed to be a mandatory as envisaged by Section 37(2) of the Act. As a mandatory the successful Tenderer will be deemed to be an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the project to which this quotation document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the successful Tenderer, for whatever reason be unable to perform as required by the Act, the successful Tenderer undertakes to inform the Employer accordingly.

1.12 ESCALATION

Bidders are advised that the contract with the successful tenderer will not be subject to the Contract Price Adjustment Provisions (CPAP) or any other escalation formula, and they are therefore to allow for any increases in the costs of labor, material, transport, etc. However, any statutory increase or decrease in Value-Added Tax will be for the account of the Province.

1.13 GUARANTEE

The successful tenderer shall guarantee that no faulty material or workmanship was used in the execution of services. Should the guarantee not be compiled with, the State may, without prejudice to any other rights it may have, demand that the services be repaired without cost to the State.

1.14 PENALTIES

If the contractor fails to render the service within the period stipulated in the contract, the State shall have the right, in its sole discretion either to deduct as a penalty from the value of the contract sum an amount of one-fourteenth percent thereof per calendar day for the period of delay or to claim any damages or loss suffered in lieu of such penalty; provided that where beneficial use of the completed portion is enjoyed, penalty shall be applied to the value of the outstanding portion only.

1.15 ALTERATIONS TO QUOTATION DOCUMENTS

Any amendment or correction in the quotation document of a quoted amount/sum/rate or other entry must be effected only by deleting the incorrect entry and writing the correct amount/sum/rate entry just above it in INK. Each and every amendment/correction must be initiated by the signatory to the quotation. The use of "TIPPEX" or any other similar substances to make corrections and/or alterations ANYWHERE in the quotation is NOT permitted and any quotation altered/amended in such a manner may be declared invalid or be disregarded.

1.16 REGISTRATION ON THE PROVINCIAL SUPPLIERS DATABASE

1. In terms of the KwaZulu-Natal Procurement Regulations promulgated in terms of Section 47 of the KwaZulu-Natal Procurement Act, all suppliers of goods and services to the Province of KwaZulu-Natal are required to register on the Provincial Suppliers Database.
2. If you wish to apply for registration, forms may be downloaded from the website, <http://www.kzntrasury.gov.za> or obtained by phoning the toll free number 0800 201 049. This number is also available for general enquiries relating to Provincial procurement.
3. If a business is registered on the Database and it is found subsequently that false or incorrect information has been supplied, then the Province may, without prejudice to any other legal rights or remedies it may have:
 - 3.1 de-register the supplier from the Database,
 - 3.2 cancel a tender or a contract awarded to such supplier,
4. The same principles as set out in paragraph 3 above are applicable should the supplier fail to request updating of its information on the Provincial Suppliers Database, relating to changed circumstances.
 - 3.1 de-register the supplier from the Database,
 - 3.2 cancel a tender or a contract awarded to such supplier,

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

1.17 VALIDITY This quotation shall be valid for a period of sixty (60) calendar days calculated from the closing time specified.

1.18 CONTRACT PERIOD The work shall be completed within Thirty days (30) from the date of the official order/letter of acceptance.

1.19 PROPRIETARY MATERIALS Where the term "or other approved" is used in connection with proprietary materials or articles it is to be understood that approval shall at the sole discretion of the Head: Works.

Where brand or trade names are referred to in the extent of work/specification these shall indicate the quality and type of material or fitting required and no substitution of materials so specified will be permitted unless the authority of the Head: Works has been obtained *before tenders close*.

In all cases where the contractor takes delivery of, handles, stores, uses, applies and/or fixes any proprietary product he shall do so in strict accordance with the manufacturer's instructions after consultation with the manufacturer or his duly authorized representative.

1.20 DEFINITION OF APPROVED, ETC.

The term "approved" or "specified" where used in these extent of work/specifications shall mean approved or specified by the Head: Works. This term shall apply equally to the Head: Health.



St Andrews Hospital HEALTH AND SAFETY SPECIFICATION

OCCUPATIONAL HEALTH AND SAFETY ACT 85 OF 1993 EXTRACT FROM THE CONSTRUCTION REGULATIONS

1. **Scope:** This specification details the health and safety requirement with the Works.

2. **Interpretations:** Construction work is defined as: any work in connection with: -

- a) The erection, maintenance, alteration, repair, demolition or dismantling of or addition to a building or any similar structure;
- b) The installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling; or
- c) The moving of earth, clearing of land, the making of an excavation, piling or any similar type of work.

3. **General:** The Employer will take reasonable steps to ensure that the contractor's health and safety plan is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

Should the Contractor at any stage in the execution of the work-

- a) Fail to implement or maintain contractors' health and safety plan;
- b) Execute construction work which is not in accordance with contractors' health and safety plan; or
- c) Act in any way which may pose a threat to the health and safety of any person/s, the Employer or employers' representative/agent will stop the Contractor from executing construction work.

4. **General Requirements**

4.1. **First Aid Equipment:** The Contractor shall provide for its employees an approved first aid box. The first aid box to be checked weekly by a responsible person, who shall be appointed by the Contractor.

4.2. **Reporting of incidents and /or injuries:**
4.2.1. All incidents in respect of damage to Works, property or machinery or injury to persons, shall be reported by the Contractors Safety Officer or Site Representative to the Representative/agent by the quickest means possible.

STAH Male Ablution upgrade: ZNO:..... Bidders Signature:.....

4.2.2. A mandatory incident report form, containing full details of the incident, shall be completed and submitted to the representative/agent within (24) hours of the occurrence of the incident.

4.2.3. The representative/agent shall have the right to make all or any enquiries as to the cause and result of any such incident. The Contractor shall provide the representative/agent with full facilities for carrying out such enquiries.

4.3. **Danger Areas:** All danger areas shall be demarcated by the Contractor with appropriate tape and hazard notices to prevent unauthorized person/s entering the danger area.

4.4. **Hazard Notices:** The Contractor shall display hazard notices in all areas identified in the risk assessment as potentially hazardous.

4.5. **Personal Protective Clothing:** The Contractor shall provide the necessary personal protective clothing for his employees in hazardous areas, appropriate to the nature of the hazard identified in the risk assessment.

a) **Hard Hats:** All employees of the Contractor shall wear hard hats in areas where appropriate hazard notices are displayed. Hard hats shall not be painted or otherwise defaced.

b) **Eye Protection:** Suitable eye protection shall be worn in areas where appropriate hazard notices are displayed, or when grinding, chipping, breaking, drilling, arc welding, cutting with oxyacetylene equipment of similar activities are taking place.

c) **Hearing Protection:** Suitable hearing protection shall be worn in areas where appropriate hazard notices are placed.

d) **Foot Wear:** All employees of the Contractor shall wear undamaged, laced-up safety boots or safety shoes, suitable for the intended purpose, in prescribed areas where appropriate hazard notices are displayed.

e) **Gloves:** All employees of the Contractor shall wear suitable gloves in all areas where appropriate hazard notices are displayed or when handling hot or hazardous materials or chemicals.

4.6. **Machine Guarding:** All power tools and machinery driven by belts, gears, ropes, chains, couplings and similar drives shall be adequately guarded. The Contractor shall prohibit the use of any equipment with a damaged, missing or inadequate guard.

- 4.7. Ladders:**
- 4.7.1. Every ladder shall be:
- Of good construction, sound material and adequate strength and suitable to the purpose for which it is used (e.g. electricians shall use suitable insulated ladders),
 - Fitted with non-skid devices at the bottom of the stiles or with hooks or similar devices at the tops of the stiles.
- 4.7.2. Except for extension ladders, no ladder shall be used which is longer than 4.5m and no ladder shall have its reach extended by tying together two or more ladders.
- 4.7.3. All ladders shall be inspected weekly and a log shall be kept of the inspections.

4.8. Scaffold Framework:

- 4.8.1. Scaffold standards shall be firmly supported and secured against displacement and shall be kept vertical.
- 4.8.2. No Contractor shall use, or cause to be used, any scaffold unless it is inspected by a competent person at least once a week and after inclement weather.

- 4.9. **Prevention of Uncontrolled Collapse:** The Contractor shall ensure that no structure or part of a structure is loaded in a manner that would render it unsafe.

4.10. Electrical Equipment and Procedures Used by the Contractor:

- 4.10.1. All electrical equipment to be inspected regularly by a qualified electrician, who shall be appointed by the Contractor and inspections to be logged.
- 4.10.2. The Contractor shall ensure that all his electrical equipment conforms to the operational and safety requirements.
- 4.10.3. All earth leakage units shall be tested at intervals of not more than one month and signed for by a qualified electrician.

- 4.11. **Indemnity of the Employer and his agents:** The annexure to this Contract Document contain a "Mandatory Form of Authority and Agreement in terms of Section 37 (2) of the Occupational Health and Safety Act, No, 85 of 1993 which Contractor shall be entered into and duly signed by both the Employer and Contractor prior to the commencement with work. A copy of the signed agreement shall be included in the Contractors health and safety plan.

4.12. Minimum Requirements of a Safety File

1. Health & Safety specifications.
2. Baseline risk assessment
3. Task based Risk Assessment
4. Approved SHE plan

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

5. Letter of good standing
6. Contractors OHS Policy
7. Agreements as contemplated in Section 37(2) of the OHS Act
8. Notification of construction work
9. Construction work permit (where required)
10. Contractor organization
11. Site specific emergency plan
12. Site specific emergency numbers
13. All legal appointments applicable to the project
14. Safe work procedures
15. Certificates of electrical installations
16. Fall protection plan where applicable
17. Scaffold inspection records
18. Drawings and designs
19. All applicable letters of appointments and CV's thereof
20. List of contractor employees on site
21. List of appointed contractors on site
22. Equipment list
23. Inspection schedule and copies of inspection reports
24. Evacuation plans and emergency contact details
25. Training records
26. Toolbox talks register
27. Medical certificates of fitness
28. Incident management procedures
29. MSDS register & Documents
30. PPE issuing records
31. Proof of communication of all relevant OHS documents
32. Up to date version of the OHS Act & Regulations

NB: this list is not exhaustive; the contractor must ensure compliance with ALL OHS file requirements as contemplated in CR 7(b)

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....



St Andrews Hospital TECHNICAL SPECIFICATION

1. GENERAL

- 1.1. This TECHNICAL SPECIFICATION shall be read in conjunction with all other sections of the SPECIFICATION, including the National Building Regulations SABS 0400 of 1990 as amended and the Occupational Health and Safety Act and Regulations, 85 of 1993.
- 1.2. Cognisance shall be taken of the clauses relevant to this particular installation, whether any specific clauses are referred to or not.

2. SCOPE

- 2.1. The work to be carried out under this contract includes the supply, delivery, installation, connecting, testing and leaving in good service condition to the satisfaction of the Head of Department or his or her designee, the building maintenance, renovations, repairs and minor new works to KwaZulu-Natal Health Institutions as specified by the Head of Department or his or her designee.
- 2.2. Work to be done as per drawing.
- 2.3. Material as specified below.
- 2.4. Work to be done according to Standard preambles of Trade of the Department of Health.
- 2.5. No jack hammers to be used unless cleared by Maintenance Manager.
- 2.6. If unsure please contact Maintenance Manager before commencing with the work. Contractor
- 2.7. No cutting off cables (electrical or network) if not cleared by Maintenance Manager. Contractor

will be responsible if any cables are cut without permission.

3. REFERENCES

- 3.1. Where references have been made to specific brand names, these are read as "OR OTHER APPROVED BY DEPARTMENT OF HEALTH, FACILITIES MANAGEMENT."

4. **SPECIFICATION:** St Andrews Hospital, Male Ablution upgrade in D ward.

- 4.1. The scope of work consists of upgrading the male ablation in D Ward.

STAH Male Ablution upgrade: ZNO:..... Bidders Signature:.....



**St Andrews Hospital
SCOPE OF WORK**

1. GENERAL
St Andrews Hospital, Male Ablution upgrade in D ward.

2. SCOPE OF WORK

- a. The work to be carried out in terms of this section of the project comprises the supply and installation of all the materials necessary, as per the Bill of Quantities and Drawings.
- b. All work must be checked and approved by the Chief Works Inspector.
- c. All workmanship will be done fully in accordance of the Occupational Health and Safety Act 85/1993, as amended.
- d. All work to be carried out as per Department of Health - Standard Preambles to all trades, Rev 3- January 2009.
- e. Contractors are advised to visit the site to acquaint themselves fully with the nature and full extent of the work involved. Claims on the grounds of insufficient information will not be entertained.
- f. Site to be cleared daily of building rubble and work area kept clean at all times.
- g. Lead time of 1 week allows contractor to obtain materials and spares. Lead time will officially begin once SITE HAND OVER CERTIFICATE is awarded.
- h. SAFETY FILE: According to Occupational Health and Safety Act, (85/1993) as amended.

**PLEASE NOTE THAT THIS CONTRACT PERIOD IS FOR FOUR (4) WEEKS.
CONTRACTOR IS TO ENSURE THAT THEY HAVE STAFF IN PLACE TO COMPLETE
THIS CONTRACT WITHIN THE STATED PERIOD.**

Time required for completion of this contract as specified from receipt of Site Handover Certificate: -

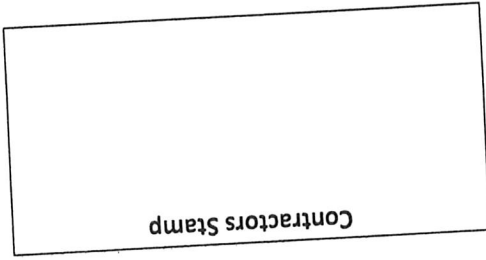
Lead Time: One (1) Week
Site Time: Three (3) Weeks
Total Time: Four (4) Weeks

Signature of Contractor

Contractor Name in block letters

Date

Name of Contractors



STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

WORK WILL NOT COMMENCE UNTIL ISSUE OF:
SITE HANDOVER CERTIFICATE!!

TIME REQUIRED FOR COMPLETION OF THIS CONTRACT AS SPECIFIED FROM RECEIPT OF SITE
HANDOVER CERTIFICATE: -

PLEASE NOTE THAT THIS CONTRACT PERIOD IS FOR Four (4) WEEKS.
CONTRACTOR IS TO ENSURE THAT THEY HAVE STAFF IN PLACE TO COMPLETE
THIS CONTRACT WITHIN THE STATED PERIOD.

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

BILLS OF QUANTITIES
St Andrews Hospital
 Notes to Bidders: All items to be priced fully inclusive of all charges, e.g. labour, scaffolding, materials,

Item	DESCRIPTION	UNIT	QTY	RATE/UNIT		TOTAL
				R	c	

NOTE: All rates for items contained in this Schedule of Prices must be computed excluding the applicable Value Added Tax.

ZNO Reference No.: ZNQ:
INSTITUTION: St Andrews Hospital, Male Ablution Upgrade in D ward.
 All rates quoted shall be inclusive of transport, labour and profit.

PROPRIETARY ARTICLES:
 All equipment and material used in this contract shall be that which is specified or other approved by the Department of Health.

1.1	<p>Remove three (3X) existing toilets and install three new toilets: HIBISCUS ELITE V/P CLOSE COUPLED SUITE 772401WH CHICNOVP2CC00408B 6005826068276 Open rim close coupled suite with 6L front push button, bottom inlet cistern. 1. 85312000 Jazz Thermostat seat 2. 85132000 Fixing screws SPARES FOR PRODUCT 1. 772400WH Hibiscus Elite cc pan 2. 7116BPWH Hibiscus Elite V/P shell 3. 711700WH Hibiscus Elite duct lid 4. 71082200 V/P cc fitting</p> <p>INSTALLATION INSTRUCTIONS 1. Place pan into position and mark hole positions. Remove pan and drill holes. Place pan back into position, fix screw to the floor and secure. 2. Assemble all cistern fittings with inlet valve on right hand side of cistern. Fit cistern to pan ensuring sealing ring is in the correct position and tighten wing nuts. NOTE: Do not use putty as sealer. 3. Flush the water line. 4. Fit double flap seat. 5. Complete all plumbing connections and flush test. Ensure that the correct water level has been set and that the operating overflow tube height conforms and operates according to local by-laws and SABS specifications. 6. Always use silicone sealant or equivalent surfaces for a secure and neat installation. NOTE: The warranty will not apply to any product installed with cement.</p>	Unit	3			
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1.2
Install three (3x) Stainless-Steel Grade 304 stainless theft proof toilet Paper roll holders lockable with keys, to fit two toilet paper rolls inside. Provide sample from FRANKIE, Mounted to wall of each toilet. Double Toilet Roll Holder STRX672 Toilet roll holder with spindle system for wall mounting, manufactured from Grade 304 1.2/1.5mm Stainless Steel, satin finished with surface treatment InoxPlus (anti fingerprint). Cylinder lock with Franke standard key, for 2 rolls maximum.

1.3
Note: Two to be installed at the three old sinks to be removed and one in the disable room to replace broken one, SOLA 510 MEDICAL BASIN 703700WH CS051JNN-2C00413 6005826002461 510x400mm wall hung semi-rectangular medical basin with no tapholes, integrated overflow or chairstay hole. Complete with COBRA SKU: 510-21 ELBOW ACTION MIXER CP SABS approved, wall mounted and Drain outlet COBRA 1. 8448Z000 10mm fixing bolt set 2. 81317300 Sola/Weaver basin bracket 3. 308 32mm basin waste unslotted 4. 340 CP Bottle trap 5. 8630Z000 CP standing overflow tube, INSTALLATION INSTRUCTIONS The basin may be installed by alternative methods: 1. Bolted to the wall using two 10 mm bolts (code 8448Z0), or 2. Using a concealed wall bracket (code 8131Z3), and three 10 mm bolts (code 8448Z0). Option 1: Place basin level against finished wall surface at correct height and mark fixing hole positions. Remove basin and drill holes. Attach bolts to wall, fit basin, and secure. NOTE: Do not over tighten. Option 2: Place basin level against finished wall surface at correct height and mark fixing hole positions. Remove basin and mark fixing hole positions. Remove basin and drill holes. Attach bolts to wall, fit basin and secure bracket to basin waste. SPECIAL RECOMMENDATION Always use silicone sealant or equivalent between basin and finished wall surface area for secure and neat installation.

4.8 m²

Unit 3

1.4
Mesh gate: Install Two (2x) new galvanised metal sheeting onto the outside of the gates, 1.0mm thickness use 4.8mm pop rivets every 250mm. Sheet sizes (2.4m x 1.8m) and (1.020m x 2.1m)

Bidders Signature:..... ZNO:.....

1.5	m ²	60								Prepare and apply two coats of PLASCON High Gloss Enamel on internal walls and Ceilings, to match the existing paint colour. Prepare walls. Scrape or wire brush existing surfaces. Fill and sand down to smooth surface. Apply 10% bonding liquid. Apply 1 x coat of Universal Undercoat Apply 2 x coats of PLASCON High Gloss Enamel. COLOUR: To match existing colour
1.6	unit	4								Doors Prepare doors and Frames paint with 1 x coat of Universal Undercoat and 2 x coats of PLASCON High Gloss Enamel. COLOUR: To match existing colour
1.7	Item	1								Remove bath room and disable Cladding partitions Install Slimline Partitions. In order to prevent gaps between uneven tiles and walls, toilet partitions and plasters are fixed to the walls with aluminium receiving channels which are fixed to the wall or tiles. All complete with aluminium surround sound channels are then slotted into the full height receiving channels. Thickness 22mm, Waterproof Install new wall cladding to Colour Grey Partitions to be Built on site from scratch, build partitions with melamine boards. Material is bought in sheets and then cut to size on site. Aluminium profiles are also bought in lengths and cut to size on site. The feet are bought separately. Everything is then assembled on site according to match existing. Each edge of each panel has a fin which also has an aluminium finish. The feet of the cubicle are attached to this melamine fin. Cubicles to come complete with doors to match the partition as well door handles, lock sets with red and Green indicators. Note gaps below. To include all fixing materials Screws and extras.
1.8	m ²	25								200mm x 200mm "Johnson MWB 4" white glazed wall tiles with approved adhesive and anti-bacterial white waterproof joining grout.
1.9	m ²	9								Remove old floor tiles install new "Glamosa VERS-A-TILE glass mosaic tiles in 300 x 300mm sheets with 22 x 22 x 3mm thick tiles fixed with adhesive to bedding (bedding measured elsewhere) and flush pointed with epoxy mortar. Mosaic angled to outlet.
1.10	m	18								Aluminum Edge trimming strips
1.11	Unit	2								Supply, deliver and install slatted bench seat size 770mm long x 420mm deep overall, formed of 22 x 50mm slats spaced 20mm apart and sanded smooth and two coats of varnish, solid brass screws screwed from underside to and including install 2x new wall Angle iron brackets 50mm x 50mm x 5mm: 2x 420mm lengths hot dipped galvanized steel brackets, with V x 400mm support at 45° on each. M10 Rawl bolts into wall, 2x per bracket.

1.12	Unit	2	Fix only aluminum hat and coat hook including hardwood solid meranti back board to wall and two coats of varnish.					
1.13	Unit	2	<p>SHOWER CUBICLE</p> <p>Supply, and install glass and aluminum shower cubicle complete as per specification.</p> <p>Toughened FROSTED glass door and side panels 4mm thick to SABS 1263-1 with manufacturer's logo and SABS approval etching on glass sheets.</p> <p>Install Two (2X) Single 4mm Frosted glass Doors, with 2 sets custom made Aluminum double pivot doors, floor hinges, handles and with all necessary fittings, new doors and new frame. Colour: "White powder coat"</p> <p>Door Sizes: 900mm (width) x 2200mm (height) to be installed into each shower entrance opening is to including a new Aluminum frame work and door.</p> <p>Round door handles fitted each side of door.</p> <p>Completed with door press spring loaded lock type. N.B. Contractor is to re-measure to satisfy that the sizes are correct. Glass section to be Safety Glass as per AAMSA regulations and health department requirements see attached "Standard of Premises of all trades" Anodized or epoxy powder coating conforming to Class 2, 25year guarantee, 60-80µm dry-film thickness and SANS 1796 certified applicator. Sample to be provided. All supplier / manufacturer / subcontractor shall be registered with AAMSA, SAGGA and both glazing certificates must be issued on completion of work.</p>					
1.14	Item	1	Remove one side shower rose and tapes, fit copper plugs and re tile area above bench					
1.15	Unit	2	Shower faucets (rose) COBRA vandal proof showerhead Cobra SKU: KP2-6					
1.16	Unit	4	Stop cocks cobra stella under wall stop tap - 1/2" light pattern FXF Vendor: cobra SKU: 33285T-15.					
1.17	Unit	1	Supply and fix new anodized aluminum male signage plate 150mm x 150mm, to front of The Ablution door					
1.18	m	18	Copper class 2 pipe 15 mm diameters.					
1.19	Each	4	Copper 22mm "T" pieces Conex					
1.20	Each	4	Copper 15mm "T" pieces Conex					
1.21	Each	12	Copper 15mm elbows Conex					
1.22	Each	8	Copper 22mm elbows Conex					
1.23	m	12	uPVC 50mm piping					
1.24	Each	2	uPVC 45° bend 50mm					
1.25	Each	6	uPVC 90° rod inspection eye 50mm					
1.26	m	6	Rigid PVC socketed soil piping 50mm ø and fixing to walls, falls, in concrete, etc.					

STAH Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

Carried To Collection Summary		PS 1		R	
1.27	<p>Install (1x) one new solid wooden Timber Doors. As per Department of Health Policy specifications. Including two new 100mm stainless steel door hinges to be recesses on new door, Two (2x) new fixed Stainless-steel door handles, inside and outside 200mm Stainless Steel Door Handles, Samples to be seen before installation, Install (1x) one new Automatic door closer Supply and fit new "Union assabloy" type closer with slide channel.</p>	Unit	1		
1.28	<p>Replace broken window pane Size (440mm x 270mm) 4mm Forested glass including Putty,</p>	m ²	0.12		
1.29	<p>Remove install (2X) Two new aluminum ceiling vent above extraction size to match existing holes with new aluminum frame work.</p>	Unit	2		
1.30	<p>SAFETY PLAN Only once the Order number is issued to the contractor a Health and Safety Plan to be drawn up by independent registered Qualified Safety officer, NOTE: Safety Risk Transporting and lifting from onto site. Note protective. P.P.E. Daily screening and all regulations to be adhered to. Safety plan is to be approved by the St Andrews Hospital institution Health Safety officer, as per the Occupational Health and Safety Act. (85/1993) as amended. See attached <i>Minimum Requirements of a Safety File.</i></p>	Unit	1		
1.31	<p>N.B. Contractor to re-measure to satisfy themselves on all above items, that they have correctly quantified all materials to complete the work.</p>	Note:			

STAHL Male Ablution upgrade: ZNQ:..... Bidders Signature:.....

COLLECTION SUMMARY

INSTITUTION: St Andrews Hospital
 ADDRESS: Male Ablution upgrade in D
 PROJECT DESCRIPTION: ward.
 ZNQ:

NOTE:

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

Collection Summary PS 1		R	
SUB-TOTAL: CARRIED TO QUOTATION FORM		R	

1. SPECIFICATIONS

- a. Notes to Bidders:
- i. All work to be priced fully inclusive of all charges: VAT, labour, plant, profit, etc...
 - ii. The Department reserves the right to negotiate prices in the Bill of Quantities.
 - iii. All materials used in this contract shall be that which is specified. All material must be SABS approved. All material must be cleared by maintenance supervisor before installation.
 - iv. Contractors are advised to visit site to acquaint themselves with the site and the layout of the Institution as no claims on the grounds of ignorance of the locality/siting of the Institution will be entertained later. Measurements given must be treated as a guide.
 - v. Final measurements are the responsibility of the contractor and any discrepancy must be addressed with the Facility Manager prior to the submission of the quotation.
 - vi. Contractors are informed that living on the Institutions premises during the contract is not allowed and arrangements for accommodation will have to be allowed for by the contractor.
 - vii. Site will be kept clean at all times. Building rubble must be removed from site daily.
 - viii. Removal of redundant items must be done by the contractor and removal thereof must be approved by the Facility Manager.

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3. CONCRETE, FORMWORK AND REINFORCEMENT

GENERAL: — This specification applies to concrete work formed into its final shape and position in-situ.

All concrete and formwork shall be carried out in accordance with SANS Specification 1200 G Concrete (Structural) (a copy of which the Contractor will be required to keep on the site so that it can be referred to at all times during the Contract), with the following amendments: —

INTERPRETATIONS: — Clauses 2.1 and 2.2 of SANS Specification 1200G refer. This preamble, together with any other supplementary preambles appearing in these Bills of Quantities shall be deemed to be the project specification and are the "Portion 2" referred to in Clause 2.2.

DEFINITIONS: — Clause 2.3 of SANS Specification 1200 G refers. All references to the Engineer shall be deemed to mean the Department.

MATERIALS Cement: — unless otherwise specified, shall be one or more of the following and shall, in each case, comply with the requirements of the relevant standard specification: — Portland cement and rapid-hardening cement to SANS 471 Specification Portland blast-furnace cement to SANS Specification 626. Portland cement shall be used without the Nevertheless, no cement other than ordinary Portland cement shall be used without the approval of the Department. Cement containing more than 15% blast-furnace slag will not be permitted in columns or in members less than 50mm thick. In addition (for the abovementioned items) where Ordinary Portland cement is used, blastfurnace slag (from separate containers) must not be added in any proportion whatsoever. No mixing of two different types of cement in the same batch will be allowed, and unless otherwise approved by the Department, the same brand and type shall be used in all exposed concrete.

Lumpy cement, broken sacks and sweepings shall not be used.

Cement supplied in sacks shall be used in the order in which it was delivered and shall not be kept in storage for longer than six (6) weeks without the approval of the Department.

Water: — Shall be clean and free from injurious amounts of acids, alkalis, sugar, organic matter and other substances that could impair the strength or durability of the concrete. If so required by the Department, the suitability of the water shall be proved by tests carried out by an approved laboratory.

Aggregates: — Unless otherwise specified both the coarse aggregate (stone) and the fine aggregate (sand) shall comply with the requirements of SANS Specification 1083. The Contractor is to prove compliance by means of either a certificate from the supplier or by grading analysis tests.

Admixtures: — i.e. materials other than cement, aggregate and water shall not be used in the concrete mix without the approval of the Department. The onus for proof of satisfaction to the Department for any admixture proposed shall be with Contractor.

Reinforcement: — for concrete shall be as specified and shall, in each case, comply with one of the following: —

- a) Type A hot rolled mild steel bars of plain round cross section to SANS Specification 920 b)
- Type C Class 2 hot rolled high yield stress Grade 1 deformed bars to SANS Specification 920 c)
- Type D Grade 1 cold worked deformed bars to SANS Specification 920. d) Welded steel fabric to SANS Specification 1024 manufactured from plain hard-drawn mild steel wire.

A sample reinforcing rod, approximately 600mm long, may be taken from each consignment of rods of similar diameter, for testing. If any sample is found unsatisfactory the whole consignment of rods from which the sample was taken will be rejected.

No substitution of the bars specified shall be made without the prior approval of the Department.

REINFORCEMENT

Bending: — Reinforcing bars shall be cut and bent according to the dimensions shown on the working drawings and in accordance with SANS Specification 82.

Except as allowed for below, all bars shall be bent cold and bending shall be done slowly, a steady even pressure being used without jerk or impact.

If approved by the Department, hot bending of bars of diameter at least 32mm shall be permitted, provided that the bars do not depend for their strength on cold working. When not bending is approved, the bars shall be heated slowly to a cherry red heat (not above 840°C) and after bending shall be allowed to cool slowly in air. Quenching with water shall not be permitted.

Fixing: — All steel reinforcement, at the time of placing of the concrete, must be free from loose rust, scale, oil and other agents which will reduce the bond between the steel and the concrete or initiate corrosion of the reinforcement. Reinforcement exposed to sea spray shall be washed down, and the formwork drained, just prior to concreting.

Reinforcement shall be positioned as shown on the working drawings or as directed by the Department and maintained in those positions within the tolerances given in the Specification for Tolerances. It shall be secured against displacement by tying at intersections with 1.6 or 1.25mm diameter annealed wire or by the use of suitable clips or, if permitted by the Department, by welding in accordance with SANS 1856. Welding will not

be permitted on cold worked bars. Reinforcement shall be supported in its correct position by hangers, saddles or cover blocks and aligned by chairs and spacers all of approved design and material. Where such hangers, saddles, chairs or spacers are of steel, they will be detailed on the drawings or in bending schedules.

Cover:—The minimum cover of concrete over reinforcement, excluding any applied finish, shall be as shown on the working drawings, or as directed by the Department.

Cover shall be maintained by using cover blocks, which shall be made of small aggregate concrete, not mortar, using the same cement and aggregate type and ratio as the parent concrete. Alternatively, cover blocks may be of the plastic type provided that sufficient number are used to prevent their collapse, that they are of a colour compatible with that of concrete and that the prior approval of the Department is given. Metal cover blocks shall not be used.

If the concrete face has a Class F2 smooth finish or some other special finish as is described elsewhere, hemispherical or pyramid shaped concrete cover blocks shall be used unless otherwise specifically approved by the Department.

Splicing: — or joining of reinforcing bars shall be made only as and where shown on the working drawings or as otherwise approved. The length of the overlap in a splice shall be not less than that shown on the working drawings or forty-five times the diameter of the bar if not shown.

Protection of Exposed Bars: — If left exposed for future bonding of extensions to the works, reinforcement shall be protected from corrosion as specified by the Department.

Electric Current: — Reinforcement shall not be used as a means for conducting electric current unless there is conformity with the requirements of SANS Code of Practice 03.

Inspection of Reinforcement: — Reinforcement shall be subject to inspection by the Department after the Contractor is satisfied that it has been completely and correctly fixed. The amount of notice given by the Contractor to the Department before concreting commences that reinforcement is ready for his inspection shall be agreed between the Department and the Contractor at the commencement of the Contract.

FORM WORK

Design: — Formwork shall be so designed and constructed by the Contractor that the concrete can be properly placed and compacted and that the required shapes, finishes, positions, levels and dimensions shown on the working drawings are maintained, subject to the tolerances given in the Specification for Tolerances. Unless otherwise directed by the Department, all formwork to beams and slabs shall be evenly cambered, unless otherwise specified or shown on the drawings, to the mid-point of the span of the member at the rate of 2mm per metre of span, all to the approval of the Department and the full cross section of the member shall be maintained after placing of concrete.

The formwork and joints shall be capable of resisting the dead load and pressure of the wet concrete, effect of vibration equipment, wind forces and all other superimposed loads and forces it is necessary for it to carry.

Should it be necessary to support formwork off suspended or ground bearing slabs, the manner of execution of the support shall be agreed with the Department so that overstress of, or damage to, those members is prevented.

In structures having, in whole or part, two or more reinforced concrete floors, props to the floor which is being used to support the formwork and new concrete of the floor above. These props shall not be removed until the formwork for the new concrete has been struck.

Wedges and clamps shall be used in preference to nails. Joints in forms shall be tight enough to prevent leakage of cement paste.

Finish: — The quality of the finished surface of the concrete shall be as shown on the working drawings or as otherwise specified, and the type of formwork used shall be adequate to provide such finishes.

Ties: — The type of ties used and their position shall be such that the finish required in terms of the clause "Finish" is achieved. The rods are preferable to wire ties and the forms shall not be secured to the reinforcement. No corrodible tie rod or wire tie shall be allowed within the depth of concrete cover, and in the case of water-retaining or tanked structures, no removable tie rod or wire shall pass right through the concrete member.

Preparation of Formwork: — Surfaces that are to be in contact with fresh (wet) concrete shall be so treated by coating with a non-staining mineral oil or other approved material, or in the case of timber forms, by thoroughly wetting surfaces so as to ensure easy release and non-adhesion to formwork during stripping. If any substance other than water is used, every precaution shall be taken to avoid contamination of the reinforcement.

Re-use of Formwork: — Before re-use, all formwork shall be reconditioned, and all form surfaces that are to be in contact with the concrete shall be thoroughly cleaned without unduly damaging the surfaces of the formwork.

Openings: — Where necessary for the proper placing of the concrete, temporary openings for cleaning, inspection or placing purposes shall be provided, taking cognizance of the finishes specified.

Removal of Formwork: — Formwork shall not be removed before the concrete has attained sufficient strength to support its own mass and any loads that may be imposed on it. Except where the Contractor can prove by means of cube tests, at his own expense to the satisfaction of the Department that, because of its strength development characteristics the concrete has attained sufficient strength and that shorter periods are practicable, formwork shall not be removed within shorter periods than those given in Table A. The number of cube tests required shall be equal to the number required for testing at 28 days. Where full design loads are carried, no soffit forms and props may be removed until the full design strength is attained.

In structures having, in whole or part, two or more reinforced concrete floors, props to the approval of the Department shall be provided under the soffits of beams and slabs of any floor which is being used to support the formwork and concrete of the new floor above. These props shall not be removed until the formwork for the new concrete has been struck. All formwork props shall have been removed from under beams and slabs before the commencement of construction of brickwork thereon, unless otherwise agreed with the Department. Formwork shall be removed carefully so that shock and damage to the concrete are avoided.

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TABLE A—REMOVAL OF FORMWORK (MINIMUM TIMES IN DAYS (24 hrs))

1	2	3	4	5	6	7	8	9	10	Type of structural member or formwork
1	2	3	4	5	6	7	8	9	10	Type of cement used
1	2	3	4	5	6	7	8	9	10	Portland cement and Portland cement 15 Rapidhardening Portland cement* and rapidhardening
1	2	3	4	5	6	7	8	9	10	Hot or normal Co ol Cold (a) Beam sides, walls, and unloaded
1	2	3	4	5	6	7	8	9	10	Portland cement 15 Portland blastfurnace cement Hot or normal Co ol Cold (c) Columns, 0,75 + 1,5 0,5 + 1 2 + 4 (b) Slabs with props left underneath 4 + 7 2 + 4 6 + 10 (c) Beam soffits with props left underneath, and ribs of a ribbed floor construction 7 + 12 3 + 5
1	2	3	4	5	6	7	8	9	10	10 + 17 (d) Slab props including cantilevers 10 + 17 5 + 9 10 + 17 (e) Beam props including cantilevers 14 + 21 7 + 12 14 + 21

* Shorter periods may be used for sections of thickness 300mm or more. + In cool weather, stripping times shall be determined by interpolation between the periods specified for normal and cold weather.

CONCRETE QUALITY

General: — Concrete shall comply with the requirements for "Strength Concrete" as specified. The type of aggregate and cement, and their sources of supply, shall not be altered during the currency of the Contract without the prior written agreement of or instruction from the Department.

Strength Concrete: — The Contractor shall be responsible for the design of the concrete mix and for the proportions of its constituent materials, measured as described, necessary to produce concrete that complies with the requirements specified by the Department thus: - a) For each section of the work, the class of concrete and position on the Works, as shown on the drawings: b) For each class of concrete: i) the minimum compressive strength at 28 days as shown in Table B ii) the maximum nominal size of coarse aggregate as shown in Table B

C. At the earliest possible stage in the Contract, at least 35 (thirty-five) days before the first concrete is placed, or as otherwise agreed with the Department, the Contractor shall submit samples of the aggregates which he proposes to use on the works to the Department. The Contractor, under the supervision of the Department, shall prepare trial mixes using these same aggregates, to establish his ability to achieve the strengths specified, and satisfactory workability of the concrete. The Contractor shall provide all necessary equipment for, and carry out tests of moisture content of aggregates at the time of preparation of the trial mixes, tests of the slump of the mixes and at the same time cast not less than six standard cubes from each mix for compression tests.

The target strengths to be achieved under trial mix procedure shall exceed the specified minimum compressive strengths by a factor which is acceptable to the Department.

The Contractor shall also, when required to do so, prove the concrete yield obtained per sack of cement by suitable measurement of batches after placing.

No structural concrete work shall be poured until trial mix procedure has been properly followed and satisfactory 7 (seven) day compression strengths achieved. (Equivalent 28 (twenty-eight) day strength = $4/3 \times 7$ day strength + 5 MPa).

Thereafter, the materials, preparation of and method of manufacture of subsequent concrete shall conform accurately to those used in the trial mixes. If materials vary in the course of the Contract from the samples first submitted, the Contractor shall, on the instructions of the Department, repeat the trial mix procedure and vary the proportions to obtain the specified qualities.

The costs of preparation of trial mixes, with tests associated with them, shall be borne by the Contractor and must be allowed for in the pricing of the concrete.

A valid concrete test result shall be the average obtained from the testing of three test cubes of concrete in accordance with SANS Method 863.

TABLE B—CONCRETE CLASSES: STRENGTH, AGGREGATE SIZE AND COMPACTION

Class Minimum 28 day cube compressive strength (MPa)	Maximum nominal size of coarse aggregate (mm)	Method of Compaction
50/26,5 19,0	50/26 50/19	
45/26 45/19	45/26 45/19	
30/19 30/13 30 37,5 26,5 19,0 13,2 25/37 25/26 25/19 25/13 25 37,5 26,5 19,0 13,2 20/37	30/19 30/13 30 37,5 26,5 19,0 13,2	Mechanical (see clause "Compaction")
20/26 20/19 20/13 20 37,5 26,5 19,0 13,2	20/26 20/19 20/13 20 37,5 26,5 19,0 13,2	Mechanical (see clause "Compaction")
15/37 15/26 15/19	15/37 15/26 15/19	
37,5 26,5 19,0	37,5 26,5 19,0	
10/37 10/26 10/19	10/37 10/26 10/19	
37,5 26,5 19,0	37,5 26,5 19,0	
Nonmechanical (See clause "Compaction")		

The Contractor shall be deemed to have satisfied himself, before tendering, of his ability to produce concrete of the required quality with available materials conforming to the specification, and mixed in the proportions on which his tendered rates are based. Any subsequent alterations of the mix proportions to meet these requirements shall be at the Contractors expense.

If, in the opinion of the Department, the concrete proportions are likely to lead to excessive segregation, honeycombing, bleeding or shrinkage cracking, he shall have the right to order the Contractor to amend the proportions at the Contractors own cost.

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TRANSPORTATION AND PLACING

Transportation: — Unless agreed with the Department, concrete shall not be pumped into its final position.

The Contractor must provide suitable runways for the distribution of concrete to the various parts of the structure and these must be solidly constructed in such a manner so as to obviate the possibility of interference with the steel reinforcement.

Placing: — Unless otherwise agreed with the Department, the Contractor shall give the Department at least 24 (twenty-four) hours notice of his intention to place concrete. No concrete shall be placed without the Department's approval and without a representative of the Department being present. Concrete shall be re-tempered by the addition of water or other material. The forms to be filled shall be clean internally. All excavations shall be dampened with water. There shall be no free-water on the surface against which concrete is to be placed. Wherever possible, the concrete shall be deposited directly into its final position to avoid segregation and displacement of reinforcement and other items that are to be embedded. Deposited concrete shall not be so worked (whether by means of vibrators or otherwise) as to cause it to flow laterally in such a way that segregation occurs. Where possible, the concrete shall be brought up in horizontal layers of compacted thickness not exceeding 450mm and heaping shall be avoided.

Where a chute is used to convey the concrete, its slope shall be such as will not cause segregation, and a suitable spout or baffles shall be provided for the discharge of the concrete. Concrete shall not be allowed to fall freely through a height of more than 3 m, unless otherwise approved. Concrete shall not be placed during periods of heavy or prolonged rainfall.

Compaction: — The concrete shall be fully compacted by approved means during and immediately after placing. It shall be thoroughly worked against the formwork and around reinforcement and other embedded fittings without displacing them.

The concrete shall be free of honeycombing and planes of weakness. Successive layers of the same lift shall be thoroughly worked together.

The method of compaction shall be as specified. Mechanical compaction shall be undertaken by means of high frequency immersion vibrators of minimum frequency of 6000 vibrations per minute and a maximum acceleration of 4 g when under load, being capable of visibly affecting concrete over a radius of at least 500mm. Vibrators shall be inserted at about 500mm centres and withdrawn slowly to close the hole formed by the vibrator. Non-mechanical compaction shall be undertaken by means of spading, rodding or forking.

Over-compaction resulting in segregation, surface laitance or leakage (or any combination of these) shall not be allowed.

Vibrators shall not be allowed to come within 30mm of the face of the formwork in the case of formed finishes, nor within 75mm of the face of the formwork in the case of special finishes.

Construction Joints: — Concreting shall be carried out continuously up to the construction joints shown on the working drawings or as prior approved by the Department, except that if, because of an emergency (such as a breakdown of the mixing plant or the occurrence of unsuitable weather), concreting has to be interrupted a construction joint shall be formed at the place of stoppage in conformity with the detail shown on the drawings for construction joints generally and in the manner which will least impair the durability, appearance and proper functioning of the concrete. The Department shall approve the method adopted for forming the construction joints, one of the following methods being adopted, as relevant: —
a) Construction joints when concrete is not more than 24h old: — The surface of the concrete shall be brushed with a steel wire brush before new mortar and concrete are placed as specified in (b) below. b) Construction joints when concrete is more than 24h but not more than 3 days old: — The surface of the concrete shall be sand-blasted or chipped with a light hammer, swept clean, and thoroughly wetted and covered with a 10mm thick layer of mortar composed of cement and sand mixed in the same ratio as the cement and sand in the concrete mixture. This mortar shall be freshly mixed and placed immediately before the new concrete is placed. c) Construction joints when concrete is more than 3 days old: — The procedure specified in (b) above shall be followed, except that the old surface shall be prepared and kept continuously wet for at least 24h before the mortar and new concrete are placed. d) Construction joints at tops of columns: — The procedure for brushing or cleaning specified in (a) or (b) above, as applicable, shall be followed before the steel reinforcement of the slab or floor to be cast on the columns is placed in position.

Curing and protection: — Formwork shall be retained in position for the appropriate period given in the clause "Removal of Formwork" and shall be considered as providing adequate curing on those surfaces for that period. Should this curing period still be less than that specified, alternatively, should surfaces not be cured by forms then all such concrete shall immediately be protected from contamination and loss of moisture by one or more of the following methods: — a) ponding the exposed surfaces by means of water, except where atmospheric temperatures are low, i.e., less than 2°C, b) covering the concrete with sand, or mats made of a moisture-retaining material, and keeping the covering continuously wet; c) continuous spraying of the exposed surfaces with water; d) covering with a waterproof or plastic sheeting firmly anchored at the edges, e) using a prior approved curing compound applied in accordance with the manufacturer's instructions, provided that in this case, the presence of the compound is not detrimental to subsequently applied finishes. Whatever method of curing is adopted, its application shall not cause staining, contamination, or marring of the surface of the concrete.

The curing period shall be at least 5 days for concrete made with Portland cement, at least 2 days for that made with rapid-hardening Portland cement and at least 7 days if Portland blast-furnace cement is used. When atmospheric temperatures are below 5°C these minimum curing periods shall be extended by 72, 36 and 72 hours respectively.

11. METALWORK

PROPRIETARY MATERIALS: — Where proprietary materials are specified, the materials used are to be of the type, specified or other approved by the Department.

RATES: — for all metalwork, unless otherwise stated, are to include for cutting to length, shaping, turning, threading, forging, fitting, assembling, riveting, welding, welded running joints, filling smooth, also for all screws and holes and hoisting and fixing in position. All screwed work is to have full threads.

WELDING AND BRAZING: — Where items are described as welded or brazed, rates must include neat welding or brazing by experienced workmen using a recognised process and for cleaning and filling or grinding off smooth, all to approval. All welding is to be continuous unless otherwise described.

SCREW FIXINGS: — Where items are described as tap screwed, grub screwed, set screws, etc. rates must include for the necessary screws, for drilling all components and for tapping the components where necessary to receive such screws.

PIPE MEMBERS: — All galvanized mild steel pipe members are to be "medium" pipes complying with SANS 1387. Diameters of pipes, unless otherwise stated, are normal internal diameters.

PRIMING OF STEELWORK: — All items of fabricated mild steel except where described to be galvanized, are to be cleaned in accordance with SANS Code of Practice 064 to remove all scale, rust, grease, oil, etc. endeavouring to bring the surface to a bright metallic condition, and painted, unless otherwise specified, with one coat of red-oxide zinc chromate primer in accordance with SANS Specification 909 prior to despatch from the works.

GALVANISING OF STEELWORK: — All steel surfaces described to be galvanized are to be thoroughly sand, grit or steel shot blasted to white metal in accordance with SANS Code of Practice 064 and fluxed ready for galvanising, and the completed unit is to be hot dip galvanized after fabrication in accordance with SANS Specification 763 for general applications on the relative thicknesses of metal.

The zinc coating shall be continuous and of even thickness over all surfaces entirely free of bare spots, dull, rough patches, blisters and other imperfections and shall show no signs of peeling. Where site welding has to be done, the welds are to be properly cleaned down and cold galvanized to the approval of the Department.

Tests shall be made by attaching a test piece of mild steel, approximately 250 x 25 x 6mm, by means of wire, to an article being galvanized, and subjecting the test piece to the same cleaning, fixing and galvanising treatment as the article being galvanized, and at completion, the test piece tested by a method approved by the South African Bureau of Standards, the cost of which will be borne by the Contractor.

CHROMIUM PLATING OF STEELWORK: — All items of fabricated mild steel described to be chromium plated are to be properly de-greased, cleaned and polished perfectly smooth before plating and all in accordance with SANS Specification 728. All items are to be first nickel-plated then chromium plated to provide a bright mirror finish and all plating is to be equal to sample to be submitted for the necessary approval by the Department.

PRESSED STEEL DOOR FRAMES: — shall be manufactured from mild steel sheet 1.60mm thick for single rebated frames and 1.20mm thick for double rebated frames. Rebates shall be suitable for 42mm thick doors and fanlights. Corners are to be mitred and The sections are to be accurately bent to form the profiles. Corners are to be mitred and welded and reinforced at back with 1.60mm thick steel angle sections.

Transoms for fanlights are to be let into the jambs and welded. All welds are to be solid and cleaned off flush, leaving a perfect outside finish.

Each frame is to be fitted with one pair of sturdy angle or channel section tie bars at base.

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PRESSSED STEEL CUPBOARD DOOR FRAMES: — shall be manufactured from 1.20mm thick mild steel sheet standard sections, having rebates for 42mm thick doors, and fitted with transoms and/or mullions where required and with sill section allowing the cupboard

welded below the frame, and where required for additional strength, cross struts of the same section are to be welded between and at right angles to the main tie bars. Each frame is also to be fitted with one 'diagonal brace as temporary support, standard 230mm long corrugated adjustable building-in lugs at jambs, three rubber shock absorbers in rebate of lock jambs of frames for single doors and one rubber shock absorber, for each leaf in the rebate of the head or transom of frames for double doors.
All frames are to be primed on all surfaces with an approved red oxide zinc chromate's priming coat in accordance with SANS Specification before leaving the manufacturer's works, unless specified to be hot dip galvanized, and rates are to include for touching up where necessary with similar primer after building in.
Where frames are specified to be galvanized they are to be hot dip galvanized after manufacture in accordance with the relevant provisions of SANS Specification 763 for general applications on the relative thicknesses of metal.
Frames, unless otherwise described, are to be fitted with one and a half pairs of 100mm five-knuckle loose pin steel hinges for each door or each leaf of double door and with one pair of 75mm five-knuckle loose pin steel hinges for each fanlight. The three-knuckle leaf of each hinge is to be welded into the frame or transom.
Where frames are described to be fitted with brass butts, the frames are to be checked out and fitted, unless otherwise specified, with one and a half pairs of 100mm double brass butts for each door or leaf of double door, unless otherwise described, as washed brass butts for each fanlight, with open leaf of each butt secured to the frame or transom by means of 6mm diameter countersunk headed brass set screws screwed to and including a 3mm thick steel backing plate of suitable size welded to frame or transom and drilled and tapped to receive the set screws.
Where frames are described to be fitted with aluminium hinges the frames are to be checked out for and fitted, unless otherwise specified, with one and a half pairs of 100mm five-knuckle aluminium hinges of 6082 alloy with nylon bushes for each door or leaf of double door, unless otherwise described, and one pair of similar hinges to each fanlight, with the three-knuckle leaf of each hinge secured to the frame or transom by means of a 6mm diameter countersunk headed stainless steel set screws screwed to and including a 3mm thick steel backing plate of suitable size welded to frame or transom and drilled and tapped to receive the set screws.
Where frames are to be prepared for the top centres of floor spring hinges, a 6mm thick steel backing plate of suitable size is to be welded into the back of the frame and drilled and tapped to receive the fixing screws of the top centre.
The preparation of frames or all items of ironmongery, other than butts, has been measured separately and the rates against these items are to include for all drilling, mortising, tapping for screws, etc. required for the fixing of keeps, brackets, etc. of the items of ironmongery described. Preparation of frames for locks and latches is to include, in addition to the above, for recessing and fitting the frames with and including standard keeps and adjustable striking plates to suit the types of locks and latches used and with totally enclosed mortar guards 1, 15 metre high above finished floor.
Door and fanlight sizes are given to the nearest 10mm. The building in of frames has been measured separately.
STAINLESS STEEL DOOR FRAMES:- shall be manufactured from grade 304 stainless steel sheet 1.60mm thick for single and double rebated frames to profiles as per detailed drawings. Rebates shall be suitable for 42mm thick doors and fanlights. Stainless steel frames to be used only in Patient Treatment facilities.

doors to be taken down to general floor level with the floor level inside cupboards not less than 12mm above general floor level. The frames are to be 102mm wide overall.

The sections are to be accurately bent to form the profiles. Corners are to be mitred and welded and reinforced at back with 1.60mm thick steel angle sections. Transoms, mullions and sills are to be neatly fitted at intersections and welded. All welds are to be solid and cleaned off flush, leaving a perfect outside finish.

All frames are to be primed on all surfaces with an approved red-oxide zinc chromate priming coat in accordance with SANS Specification 909 before leaving the manufacturer's works, unless specified to be hot dip galvanized, and rates are to include for touching up where necessary with similar primer after building in.

Where frames are specified to be galvanized they are to be hot dip galvanized after manufacture in accordance with the relevant provisions of SANS Specification 763 for general applications on the relative thicknesses of metal.

Frames are to be fitted with one pair of 100mm five-knuckle loose pin steel hinges for each lower door or each leaf of upper double door. The three-knuckle loose pin steel hinges for each upper door or each leaf of upper double door. Frames for single cupboard leaf of each hinge is to be welded into the frame or mullion. Frames for double doors doors shall be prepared for locks or catches as specified and the frames for double doors are to be prepared for two barrel bolts for the first closing leaf of lower doors and one barrel bolt for the first closing leaf of upper doors.

Overall sizes are given to the nearest 10mm. Building in of the frames has been measured separately.

STEEL WINDOWS AND DOORS: — shall be in accordance with SANS Specification 727 and the frames are to be provided with fixing lugs or are to be holed for screwing as required.

Industrial type windows are to be suitable for glazing from the inside and all other windows from the outside, unless otherwise described.

Side hung and vertically pivot hung sashes shall open to at least 90 degree horizontally pivot hung sashes to at least 80 degree and bottom hung sashes to 30 degree. Unless otherwise stated, hinges for side hung opening out sashes are to be of the projecting type for easy cleaning.

All opening sashes are to have polished brass furniture.

The transoms and mullions of all purpose-made windows and doors are to be equally spaced between the outer frames of the windows and doors to form openings of equal size. Where this is not the case either the width or the height of the opening is stated, unless otherwise stated, the fixed lights and sashes of all purpose-made windows are to be in one square and the sashes and doors are to open out.

Composite windows and doors are to be supplied complete with all necessary standard coupling transoms or mullions.

Stock and purpose made residential type steel windows and of metal not less than 3mm thick. Residential section shall be constructed of standard 25mm steel sections and of metal not less than 3mm thick.

Stock and purpose made industrial type steel windows shall be constructed with main frames of standard 35mm steel sections and of steel not less than 3mm thick, with sashes of standard 25mm steel sections and of steel not less than 3mm thick.

“Universal” sections, where specified, shall be not less than 33mm wide (measured over one opening section only) and of metal not less than 4mm. thick, and with all sight lines maintained (whether consisting of all fixed lights, all opening sashes, or portions of both) and with all glass in the same plane.

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Stock and purpose made steel doors, sidelights and fanlights, shall be constructed with the doors of "Universal" sections as before described and the sidelights and fanlights of standard residential sections as before described.

Bottom openings in doors and sidelights shall be fitted with kicking plates of one thickness of 1.60mm mild steel sheet fixed with metal beads. Frames of outward opening doors shall be fitted with bottom sills of door framing section (stepped sills) and of inward opening doors with metal ties welded to frames for embedding in threshold (flush sills)

Top Hung Sashes: — are to open out on a pair of steel hinges having brass pins and washers and fitted with brass peg stay, steel peg and locking bracket.

Outward Opening Side Hung Sashes: — are to open out on a pair of steel projection hinges having brass pins and washers and fitted with brass two-point handle and brass striking plate and brass sliding stay with friction fastener.

Inward Opening Side Hung Sashes: — are to open in on a pair of steel hinges having brass pins and washers and fitted with brass sliding stay with friction fastener.

Bottom Hung Sashes: — are to open in on a pair of steel hinges having brass pins and washers and fitted with steel concealed side arms with brass guides and brass spring catch for long arm or hand operation and steel catch plate.

Horizontally Pivot Hung Sashes: — are to have brass adjustable friction ring centres and fitted with brass spring catch for long arm or hand operation and steel catch plate.

Projected Out Sashes: — are to be balanced on steel concealed side arms, the top of the sash fitted with spring loaded brass shoes to slide in brass guides and fitted at bottom with brass handle and brass striking plate.

Doors: — are to be hung on one and a half pairs per leaf of steel projection hinges with brass pins and washers and fitted with mortise lock set as specified, and each lock is to be provided with two keys.

Brass concealed bolts are to be fitted at top and bottom of meeting edge of first closing leaf of double doors. Sidelights and fanlights are to be hung as described for windows.

Adjustable Louver Sets: — are to be natural anodised aluminium louver sets of approved manufacture consisting of head and sill weather strips complete with neoprene gaskets and two jamb strips each fitted with louver brackets with spring loaded clips for the specified width of glass louver blades complete with tilt bars and operating lever handles. Where openings are not of a height to suit standard width louver blades an alternate head section with static clips must be provided to take a fixed louver blade of the required width. The louver sets are to be screwed to the steel window frame with stainless steel self-tapping screws and all portions of the louver set which come in contact with the window frame are to be insulated with approved pressure sensitive PVC tape to prevent electrolytic corrosion.

Burglar Bars: — are to be standard type burglar bars formed of 20 x 5mm mild steel bars riveted at intersections and riveted at ends to the window frames. The burglar bars to the small-pane type windows are to line through with the glazing bars and windows of the horizontal-pane type or of the no-glazing bar type are to be fitted with burglar bars which are divided as for the small-pane type window.

Fly screens: — are to be standard type fly screens suitable for residential opening-out type steel windows, unless otherwise described, and are to be constructed of stove enamelled pressed steel frames fitted with 0.25mm thick mosquito-proof mesh glass-fibre gauze. The fly screens are to be clipped onto the inner face of the steel window after all painting is completed.

All steel windows and doors are to be primed on all surfaces with an approved red oxide zinc chromate priming coat in accordance with SANS Specification 909 before leaving the manufacturer's works, unless specified to be hot dip galvanized, and rates are to include for

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touching up where necessary with similar primer after building in.
Where steel windows and doors are specified to be galvanized they are to be hot dip galvanized in accordance with the relevant provisions of SANS Specification 763 for general applications on the relative thicknesses of metal.
Loose metal glazing beads, where specified, are to be of an approved type and size, and are to be fixed with screws set in the correct positions for the type of glazing to be used, and neatly mitred at angles.
Immediately the windows and doors have been delivered on site, they are to be thoroughly overhauled and all necessary adjustments or repairs are to be made before they are fixed in position. A further inspection is to be made after building in and any further servicing required must be carried out in order to leave windows and doors in a satisfactory condition after glazing is completed.
All glass and glazing has been measured elsewhere.
Sizes of windows and doors are given to the nearest 10mm. The building in of windows and doors has been measured separately.
STAINLESS STEEL: — is to be of the thickness and grade specified and unless otherwise stated is to be buffed to an even satin finish to the approval of the Department.
All welding to stainless steel shall be by argon arc process and where filler rods are used these are to have properties not less than those of the parent metal. All welds are to be ground off smooth and uniform and the whole buffed to an even finish all over. Stainless steel is to be cut and bent in such a manner that a minimum of welding is required. Where bending is required, all external angles are to be arras rounded and all internal angles are to be radiused.
All stainless steel work is to be of the highest quality and executed by specialists in this type of work and to the approval of the Department.
Note that where stainless steel fittings are specified and support work or fixings with bolts, nuts, rivets, etc, are required / specified, these fixings and support work are to be of stainless steel of the same rating / grade as the equipment specified.
ALUMINIUM AND ANODISED ALUMINIUM: — is to be of the brand specified or other approved end of 6063-TF or equivalent quality and temper.
Aluminium bars and sections shall comply with the relevant clauses of SANS 1476, extruded tube and hollow sections with the relevant clauses of SANS 1474, and sheet and strips with the relevant clauses of SANS 1470. All alloys to be anodised are to be of anodising quality.
Aluminium is to be free from flaws, hammer and die markings or other imperfections. Anodising of aluminium is to be carried out in accordance with SANS Specification 999 by an approved process. The average anodic film thickness shall be 25 micrometer, and at no point should the anodic film thickness fall below 22 micrometer or be thicker than 30 micrometer.
Prior to anodising, all surfaces are to be de-greased and cleaned, all irregularities removed and flushed off smooth and buffed where necessary.
All anodised aluminium must be coated with a suitable "non-yellowing" methacrylate lacquer film, approved by the Department, over the entire surface. The lacquer film must be continuous and of a uniform average thickness not less than 10 micrometer. The lacquer thickness must be determined by use of a film meter or other instrument methods as described in ASTM B244-49T. Rates for anodised aluminium must include for this protective coating.
Before the work is put in hand, samples of finish are to be submitted to the Department for approval, and all finished work is to be equal in all respects to the approved samples. The Contractor shall provide all samples required for testing in accordance with SANS Specification 999.

If required, tests on the anodic film are to be carried out at the works of the anodised to verify that the work conforms to SANS Specification 999, the cost of which will be borne by the Contractor.

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The surfaces of all aluminium which are jointed to or are in contact with other materials when fixed, particularly ferrous metals, are to be suitably insulated to prevent electrolytic corrosion.

1476/NS6 welding rods and finished off smooth.
Welding is to be executed in such a manner as not to affect the colour of the material or the anodic coating.
Exposed heads of screws, pins, rivets, etc. in coloured anodised aluminium are to be touched up with enamel paint to match the coloured anodised finish.
No deviation may be made from the general requirements or dimensions, but improvements in the general construction and design affecting neatness, strength or durability may be introduced. If any deviation is proposed, the Contractor must submit detailed drawings showing the particular construction and form or section he proposes to use and such drawings, details and samples of fittings, etc. are to be approved by the Department before manufacture is commenced and every facility must be given for the work to be inspected during manufacture.

No work may be fixed in position until it has been inspected and approved. Anodised aluminium work must be erected as near to the end of the Contract period as possible, to minimise the danger of damage or deterioration.
All work is to be suitably protected during building operations and left in a clean and satisfactorily finished condition on completion. In particular, all anodised aluminium work must be protected against damage, and against deterioration or discolouration caused by mortar droppings, wax, paint, etc. all to the entire satisfaction of the Department. All work so damaged, deteriorated or discoloured must be replaced at the Contractor's expense. Rates for aluminium work are to include for necessary cutting to lengths, shaping, turning, threading, forging, fitting, assembling, riveting, welding, welded running joints, filling smooth, also for all screws and holes and hoisting and fixing in position. All screwed work is to have full threads.

CONTRACTORS STAFF AND SUPPLIERS INFORMATION

FORM

Supplier information

Company name	Contact person	Telephone No.	Supplier of

Sup contractor information

Company name	Contact person	Telephone No.	Sub contract for	Name of responsible person on site

Contractor staff information as per registration with Department of Labour

Name	ID Number	Salary number	Rank	Qualification

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